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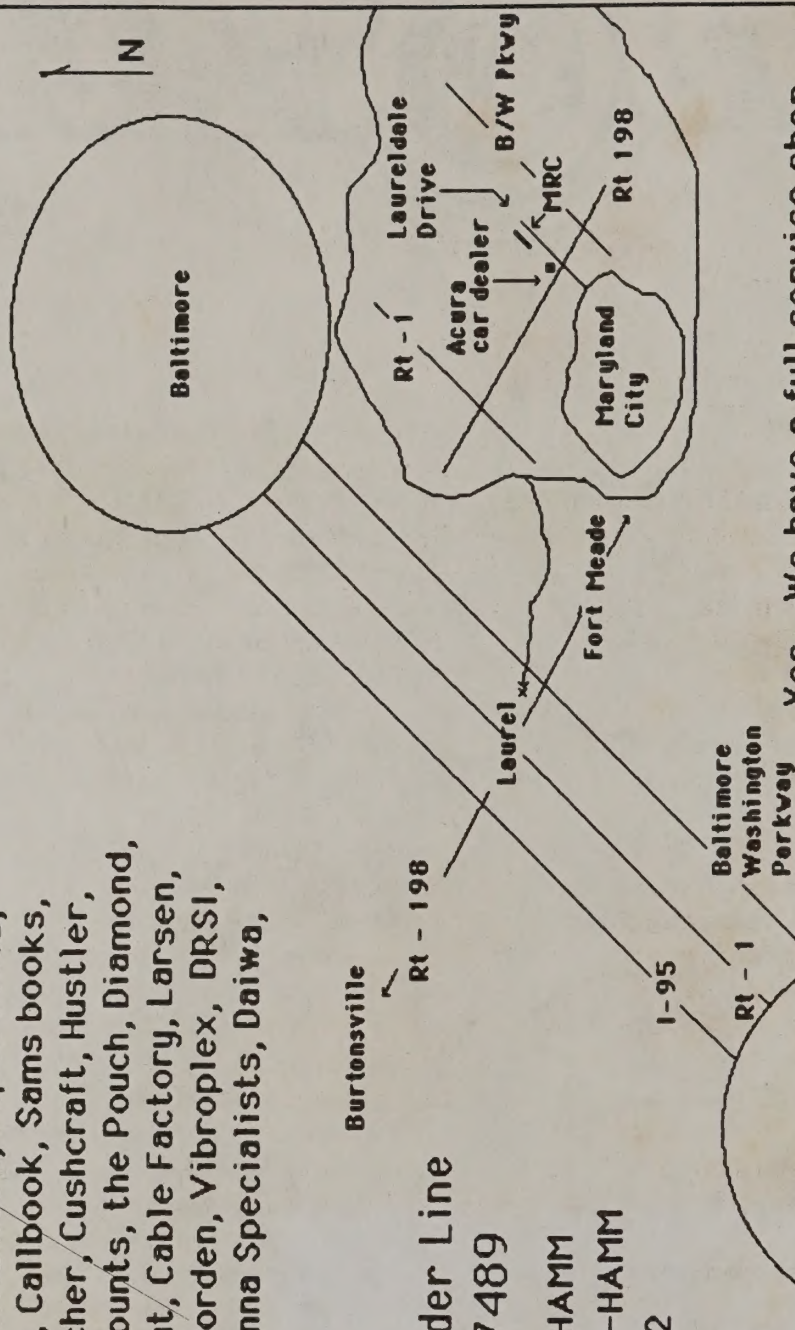
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AMSAT - Radio Amateur Satellite Corporation	Mount Vernon Amateur Radio Club
Anne Arundel Radio Club	National Capitol DX Association
Antietam Radio Association, Inc.	Naval Research Laboratory Radio Club
ARINC Amateur Radio Club	NOAA Amateur Radio Club
Arlington Amateur Radio Club	North Point FM Association
Baltimore Amateur Radio Club	Northern Virginia FM Association
Baltimore Radio Amateur Television Society	Northern Virginia Radio Club
Capital City Amateur Radio Society	Ole Virginia Hams Amateur Radio Club
Capital Hill Amateur Radio Society	Opequon Radio Society
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Frederick Amateur Repeater Group	Vic Clark Chapter #91
Friendship Amateur Radio Club	Washington Chapter #23
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Green Mountain Repeater Association	St. Mary's County Amateur Radio Association
Herndon Repeater Group	Shenandoah Valley Amateur Radio Club
IBM Amateur Radio Club	Southern Maryland Amateur Radio Club
Johns Hopkins University APL ARC	Southern Patuxent Amateur Radio Club
Laurel Amateur Radio Club	Springfield Estates Elementary School-ARC
Leisure World Amateur Radio Club	Stafford Amateur Radio Assn.
MD/DC MARS (Navy Marine) Association	Sterling Park Amateur Radio Club
MADRAS	Summit Amateur Radio Association
Maryland Emergency Phone Net	Tri-County Amateur Radio Club
Maryland FM Association	T-MARC, Middle Atlantic Repeater Council
Maryland Mobileers Amateur Radio Club	Vienna Wireless Society
Mercury Amateur Radio Assn., NE Area	Voice of America Amateur Radio Club
Metropolitan Communications Network	Washington Adventist Amateur Radio Assn.
Metiovision Amateur TV Club	Washington Area Young Ladies ARC
Mid-Atlantic DX & Repeater Assn.	Woodbridge Wireless, Inc.

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COMING EVENTS 1995

Jan. 14	Columbia Area ARC, Lancaster, PA
Jan. 14	Skyline ARC, Marathon, NY
Jan. 14	Harrisburg RAC, Harrisburg, PA
Jan. 15	Richmond Frostfest
Jan. 18	B.A.R.C. Mini-Fest, Timonium, MD.
Jan. 22	Columbia Area Amateur Club Hamfest, Lancaster, PA.
Jan. 29	Maryland Mobileers ARC Swapfest, Odenton, MD.
Feb. 19*	Cumberland County Winter Hamfest, Camp Hill, PA.
Feb. 25*	Appalachian ARC Group Hamfest, Lebanon, PA.
Feb. 26	Vienna Winterfest, Vienna, VA.
Mar. 4	Shore Points ARC, Absecon, NJ
Mar. 18-19*	Mecklenburg ARS, Charlotte, N.C.
Mar. 12*	York Springfest, York, PA.
Mar. 19*	Two Rivers ARC, Monroeville, PA.
Mar. 25-26	Greater Baltimore Hamboree, Timonium, MD.
Apr. 1*	Applichian, Lebanon, PA.
Apr. 2*	Chesapeake ARS, Virginia Beach, VA.
Apr. 9	Palm Sunday
Apr. 10	Penn-Del ARC Hamfest, New Castle, DE.
Apr. 16	Easter Sunday
Apr. 23*	Carroll County
Apr. 28-30*	May Dayton Hamvention, Dayton, OH.
Apr. 30*	Kent Island Hamfest, Grasonville, MD.
May 7*	FAR/QCWA Annual Spring Banquet, Greenbelt, MD.
May 7	Warminister ARC, Wrightstown, PA.
May 6-7	Greenville, N.C., Hamfest
May 14*	Roanoke Valley Hamfest, Vinton (Roanoke) VA.
May 14	Mother's Day
May 14	Armed Forces Day
May 14	Triple States RAC, Wheeling, W.VA.
May 19-21	Atlantic Div/N.Y. State Convention, Rochester, NY.
May 21*	Great Hagerstown MD. Hamfest
May 28*	Maryland FM Assn. Hamfest, Howard Co. Fairgrounds

*DATES NOT CONFIRMED

FOUNDATION MEETING

The Foundation for Amateur Radio, Inc. meets at 8: p.m. on the second Wednesday of each month.

Visitors are always welcome

The next meeting will be held January 11 at the
Lee Center, Alexandria, Virginia

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North to the second traffic light, Left on Gibbon Street to
Fayette. Left on Fayette to dead end at Lee Center Parking Lot.

Talk-In on 146.55

FCC HIGHLIGHTS

By Jack Kelleher, W4ZC

FCC Intervenes in Antenna Zoning Case

According to both the ARRL Letter and Westlink Report, the Chief of the FCC's Private Radio Bureau, Ralph Heller (N4RH), has told the Hempstead, New York Board of Zoning Appeals that the town is wrong in trying to regulate an amateur's antenna system based on interference caused to nearby consumer electronic equipment. The amateur involved is Mark Nadel, NK2T.

Nadel contacted his congressman, Peter T. King (R-NY), who contacted the FCC. Haller responded with a letter to King explaining the FCC's PRB-1 decision, then wrote to the Board of zoning appeals, as follows:

"It has come to our attention that the Town of Hempstead's Board of Zoning Appeals (Board) has denied Mr. Hayden M. Nadel's application for a variance permitting him to maintain his amateur radio station's antenna at a height of fifty-five feet (versus the thirty feet permitted by the zoning ordinance). According to the text of the Board's decision - - - - - it based its determination largely on its finding that the "proposed and existing antenna height of fifty-five feet was resulting in interference to the home electronic equipment of Mr. Nadel's neighbors."

Haller cited PRB-1 and what local authorities may do under its provisions, but said "They may not base their regulation of amateur service antenna structures on the causation of interference to home electronic equipment — an area regulated exclusively by the Commission."

Haller said "there is no reasonable connection between requiring Mr. Nadel to reduce the height of his antenna and reducing the amount of interference to his neighbors' home electronic equipment. On the contrary, antenna height is inversely related to the strength . . of the radio signal that serves as a catalyst for interference . . . it is a matter of technical fact, Haller said that the higher the amateur antenna, the less likely it is that the radio frequency interference will appear in home electronic equipment."

Proposed transfer of bands from Government to Non-Government use.

Last month we reported on adoption by the FCC, on October 20, of a Notice of Proposed Rulemaking on reallocation of 2390 - 2400, 2402 - 2417 and 4660 - 4685 MHz from federal government use to commercial use. (Several previous items in this column have covered progress on this action, beginning with a Plan released by the National Telecommunications and Information Administration early this year — See for example the ARRL Letter, February 24, 1994, this column in April 1994, and the item on (Good Neighbors, in this column November 1994).

On November 8th the FCC released the NPRM. The release included extracts from the Commission's remarks concerning the Amateur Service. Those FCC comments which appear in the ARRL Letter for November 12th are reproduced below.

"While we believe that [our] plan for allocation to Fixed and Mobile Services would ensure that the spectrum is used for services that are most highly valued by the public, we also recognize that such an approach may be difficult to implement given certain factors that are unique to these bands. For example, there are incumbent amateur users in the 2390 - 2400 MHz and 2402 - 2417 MHz bands".

The FCC said further that it believes several suggestions for use of the 2390 to 2400 MHz band are already adequately accommodated in other bands, and that parties supporting alternative proposals "should address the compatibility of the proposed service with the Amateur and other services."

In both the text of the NPRM and in footnotes the FCC acknowledged arguments from the Amateur Radio community, including the requirement of the Reconciliation Act to avoid excessive disruption of the amateur service and to determine the extent to which, in general, commercial users could share the frequency with Amateur Radio licensees.

The FCC asked for comments on several options, including:

Maintaining a secondary allocation for the amateur service in all or part of this spectrum;

Making the amateur service the primary user in a portion of this spectrum while either maintaining a secondary allocation in the remaining portions of the bands or eliminating the other portions from the amateur service.

"We also solicit information" the FCC said "on the degree of disruption to the Amateur Service that would result if all or part of this spectrum was removed from the amateur service. We request comment on these options, including the ability of various radio services to share spectrum with the amateur service."

The FCC noted the ARRL's argument that, were amateurs to lose the spectrum in question, along with 2300-2310 MHz, which is also threatened, the remaining 35 MHz would be insufficient for amateur satellite operations, would prevent full duplex point-to-point operations carried out in that band, and would crowd Amateur Service operations in the 13-cm band into the least desirable spectrum near the center of the ISM band at 2450 MHz.

The FCC also noted comments about the difficulty of sharing between commercial licensees and the Amateur Radio Service, and that "the Commission has used the continued availability to Amateurs of the 13 cm band to justify reallocating Amateur spectrum in lower bands to commercial services (i.e., 220 - 222 MHz) and that it would therefore be unjust for the Commission to now allocate this spectrum for commercial uses."

Ed: The Commission has a mandate to comply with the Omnibus Budget Reconciliation Act — which envisions an eventual transfer of 200 MHz from Government to commercial use. The foregoing comments indicate that they are doing their best to protect amateur radio interests from what is becoming a "tour de force".

NZART to ORACLE: No Way on No Code.

This is the title of an item in the November 30 issue of Westlink Report. ORACLE was discussed in this column in the November issue in terms of the ORACLE objective to delete from ITU Radio Regulation #2735 the Morse code proficiency requirement for the Amateur Service.

True, this is not an FCC Highlight; but a change in the ITU Radio Regulations is not taken lightly by the FCC.

The article is "A Statement about the Morse code and Amateur Radio in New Zealand". Its preface is a Note reading: "The following policy statement has been provided by the New Zealand Amateur Radio Transmitting Society (sic). NZART is the internationally recognized society representing radio amateurs in New Zealand. While not stating so in the text, the policy statement appears to be an answer to the lobbying efforts of the Organization Seeking Alternative Through Code Less Examinations — ORACLE. ORACLE has taken the position that mandatory Morse testing should be abolished worldwide and replaced with voluntary testing in those nations that might want to continue the requirement. NZART favors the continuance of mandatory code testing.

The NZART statement is as follows:

Suggestions that New Zealand may imminently propose changes to the ITU Radio Regulations affecting amateur radio are without foundation.

The New Zealand Association of Radio Transmitters Incorporated is the IARU member society for New Zealand. Founded in 1926, NZART is recognized by the New Zealand administration, the NZ Ministry of Commerce, as the body representing Amateur Radio in New Zealand.

The Morse code requirement for radio amateurs has been a topic for discussion within New Zealand for many years. Since 1963, New Zealand has had a very successful "codeless licence" for operation above 30 MHz. About one-third of New Zealand radio amateurs hold this codeless licence. To operate below 30 MHz, a Morse test must be passed.

A nation-wide membership survey about Morse code was conducted by NZART early in 1993. The diverse input received was used to develop the NZART Policy on Morse code.

This Morse code policy wording was circulated to all NZART members by way of a remit for consideration at the Annual NZART Conference held in June 1994. This wording was voted on at local NZART Branch meetings. Branch delegates then jointly reviewed the Policy at the NZART Annual Conference. The conference unanimously supported the wording as contained in the Policy.

This policy supports the continuation of the requirement for competency in Morse code as a prerequisite for radio amateurs for operation below 30 MHz.

From the beginning of the survey to the final adoption took 18 months. Every step was open to input from the membership and for review. Every member received the survey and the

results. Every member received a copy of the Policy before it was adopted.

The NZART Policy on Morse code was presented in a paper in the IARU Region 3 Conference at Singapore in September where the matter was debated. The Conference endorsed a recommendation that the "status quo" as set out in the ITU Radio Regulation RR 2735 be continued. This completed a worldwide consideration by the three IARU Regional organizations of the Morse code requirement.

Following the IARU Region 3 Conference the IARU Administrative Council met. The IARU AC resolved "to neither propose nor support any change to the international radio regulations pertaining to Morse code."

NZART has reported these developments to the Ministry of Commerce (the New Zealand Administration). The Minister of Communications has assured NZART that "New Zealand will not actively make proposals for changes in the International Radio Regulations, as they affect the amateur service, until such time as there is evidence of significant opinion here in New Zealand, and/or overseas, to support modification of Article 32."

To fulfill a requirement of the adopted NZART Policy on Morse code, NZART Council is conducting a realistic review of the amateur radio licence grades, the written examination syllabus and its structure, and the Morse code testing procedures. Council has established an Examination Working Group to prepare the appropriate review documents.

A review of the Morse code testing procedure has received priority because it is recognized that a changed test environment will satisfy many of the NZART members' concerns. It must be remembered and respected that NZART, with its diverse membership interest, will have members who will continue to hold diverse views about Morse code.

Summary

The official New Zealand position on Morse code in the Amateur Service is for "no change".

The NZART Council is cognizant of members' concerns about the examinations and Morse code, implementing the outcome of a review of the Morse code test procedures, and supporting the Examination Working Group to review both the written examinations and the grades of New Zealand licence with the intention of commencing discussions with the New Zealand Administration on all these issues, and requesting the NZART Liaison Committee to monitor any overseas movements in those areas.

Ed: Good news for those of us who opt for continuation of the Morse code requirement.

AMERICAN RADIO RELAY LEAGUE REPORT

by John Swafford, W4HU

The ARRL Report provides a brief summary of information published in the ARRL Letter and other reports. The LETTER provides timely news of interest to active Radio Amateurs. Any League member may subscribe to the ARRL LETTER.

HPM 125 CELEBRATION TO RISE AGAIN IN '95

The ARRL Membership Services Committee will recommend that the wildly successful Hiram Percy Maxim 125 Birthday Celebration of last September be reprised, same time in 1995 (from Labor Day weekend through the following weekend, nine days' worth).

Details will be worked out over the next few months but there is strong support for more people to be eligible, namely, everyone eligible for an "ARRL Badge," which adds ARRL-VEC volunteer examiners, assistant emergency coordinators, HF and VHF awards managers, and more.

An article in January QST about the 1994 event solicits input from everyone on how the 1995 running should be structured.

ARRL URGES FCC TO ACT ON DIGITAL PLAN

The ARRL has filed reply comments on FCC PR Docket 94-59, that proposes to allow automatic control of digital stations on the HF bands under certain specific conditions.

The League said that it shared the concerns of some amateurs about the possibility of interference to amateurs using other modes, and urged the FCC to adopt its original proposal for specific subbands and other restrictions.

The ARRL made essentially the same recommendation in its comments on the FCC proposal in early October. By that time, the FCC had received comments from 15 parties, eight opposed to automatic HF control, five supporting the League's proposal for specific subbands, and two supporting the ARRL plan but with additional provisions for avoiding interference.

The League said in its reply comments on November 1 that since some parties suggest no restrictions, while others advocate no changes at all at this time, the middle course advocated by the ARRL offered the best balance.

The League said it agreed with those amateurs who were concerned about the potential for interference to other modes from automatically controlled stations in the HF amateur bands. But "as long as appropriate operating practices are employed, a locally controlled station can initiate a contact with an automatically controlled station in a way that will be equally effective in avoiding prolonged interference to the 'hidden station,'" the ARRL said. "The value of automatic control of some HF data stations should be encouraged to the extent possible without impinging on the operators of locally controlled stations."

The League's proposal, to permit automatically controlled HF data communications in specific subbands, and to permit such stations to communicate with locally controlled stations

outside those subbands where data communication is permitted, appears a reasonable middle ground in the proceeding, the ARRL said.

BRIEFS

* The ARRL Foundation has agreed to match individual and club donations to the Archie Comic fund drive up to \$10,000. About \$19,000 is needed for another reprint of the comics. Tax-deductible checks may be sent to the ARRL Educational Activities Department at HQ.

* The ARRL's joint resolution supporting Amateur Radio was signed into law by President Bill Clinton on October 22, 1994--it's now Public Law 103-408. More information was in November and December QST.

* Effective January 1, 1995, the FCC's maximum allowable reimbursement fee for an amateur operator license will be \$5.92, up from the current \$5.75. The ARRL VEC will charge \$5.90 to each applicant (other than applicants taking only Elements 1A or 2).

* Bruce Draper, AA5B, will become editor of the National Contest Journal in January, succeeding Trey Garlough, WN4KKN. Bruce, 40, lives in Albuquerque, New Mexico.

* A visitor to HQ in late October was Goli Farrell, a consultant with the United Nations Department of Humanitarian Affairs. Ms Farrell was gathering information on disaster communications for the department, and left with a number of QST accounts of hams in action.

* The FCC has named 44-year old James A. Bridgewater, AA8JD, engineer-in-charge of its Detroit Field Office. Bridgewater, an Extra Class licensee, holds BSEE and BSE degrees from Purdue University, and began his FCC career in 1977.

* Job opening: in the ARRL Educational Activities Department, for a licensed amateur with excellent writing and verbal skills as well as experience in teaching, customer service and word-processing. Starting pay is \$20,200 per year. Send resumes to Rosalie White, WA1STO.

* A reminder to DXers that again this year the DXCC Annual List appears not in QST but rather in the ARRL DXCC Yearbook, due out in February. If you have made a DXCC submission in the last year you will automatically receive a copy of the Yearbook.

* Hams in the Omaha, Nebraska, area, helped the local office of the FCC in chasing down some pesky electromagnetic interference. Owners of Sears garage door openers were able to close their doors but not to open them. The FCC said that several local amateurs who had heard about the problem assisted Commission staff in locating a new air-to-ground communication system at Offut Air Force Base, operating on a frequency too close to the door openers' frequency. The Air Force contractor agreed to find another frequency.

* Word from several sources is that the Voice of America relay station at Bethany, Ohio, would cease operations on Sunday, November 13, 1994. This was an "engineering" decision based on the belief that transmitter sites closer to target areas would better serve the purpose of the VOA. A QST story about the VOA's 50th anniversary appeared in February 1992.

* More volunteer examiners are needed, says ARRL-VEC Manager Bart Jahnke, KB9NM. Through June 1994, 5985 amateur exam sessions had been held, compared with 5501 for the year before, and Jahnke says he expects the increased activity to continue. You can get information about becoming an ARRL-VEC accredited VE by calling the VE hotline at 800-927-7583 or by e-mail to vec@arrl.org (or by US mail, of course).

* An educational group in England hopes to hold a conference there in July 1995 to discuss Amateur Radio-teaching techniques. The group, Science and Technology through Educational Links with Amateur Radio (STELAR), was founded by Richard Horton, G3XWH, in 1993, is affiliated with the Radio Society of Great Britain (RSGB), and claims more than 120 schools are affiliated with STELAR (presumably in the UK). For more information contact Hilary Claytonsmith, G4JKS, 115 Marshalswick Lane, St Albans, Herts AL1 4UU, England.

* The recent thawing of relations between Israel and Jordan was notable by the appearance of Jordan's King Hussein, JY1, on an Amman, Jordan, repeater, according to the Israeli newsletter HaGAL. When Jonathan, 4Z9FHB called CQ there, JY1 answered, and proceeded to work the young amateur.

HaGAL also reports that discussions have taken place between the two countries' amateur societies, on "technical cooperation" and "plans for a very special DXpedition, yet to be announced."

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ELMER'S CORNER

By Paul Wilkins, AB4CY

SKIN EFFECT

Silver and copper are good electrical conductors. At DC the electric current flows pretty much throughout the volume of the metal. When a conductor passes an AC current the flow is pushed out to the surface of the conductor. By the time the frequency reaches the Megahertz range this layer carrying the current is only a few thousandths of an inch thick and by the time you reach the hundred Megahertz range it is squeezed into a few ten thousandths of an inch in thickness. This is why at VHF you have drastically higher resistive losses in conductors because so little conductor is available to carry the current. If a copper wire is silver plated the current only sees the plating layer.

Even at twenty meters (and up) an oxidized copper antenna wire coated with copper oxide, or copper sulfate from air pollution, will have much higher resistance (read losses) than fresh copper wire. If you live near saltwater the corrosion layer will generally be thicker due to the presence of salt spray mist in the air. Salt is particularly hard on aluminum unless it is anodized and not been scratched. The same effect appears on copper indoors which with time becomes dull and even black if there is any hydrogen sulfide around. I once worked on a case for the telephone company where the microwave relay station went down periodically due to serious corrosion of the silver plating on the inside of waveguide. The culprit was a natural gas processing plant 8 miles away that removed hydrogen sulfide (rotten egg smell) and discharged it into the air at night. When the wind was right it only took a few hours to do 20 grand worth of damage to the waveguide. This is also the reason you have to polish the sterling flatware after using it in egg dishes.

For many years a form of wire known as "Litz" was used for rf coils, chokes and wiring. Litz was made up of many strands of very fine wire to increase the surface area for carrying current. That wire was something else to cut and splice because it was made up of a dozen separately insulated wires about #40 B&S gage. In the days of copper tubing tank coils some hams would get out the steel wool and polish the copper to remove the surface oxide. I have seen tank coils that became so hot from losses that the solder melted on the connections. In a parallel resonant circuit the circulating current is Q times the driving current so a plate current of five hundred mills and a Q of 20 generated a circulating current of 10 amps.

At frequencies of 100 Kc and up currents from very high voltages (up to a Megavolt a la Tesla) will flow across the human body without effect other than your hair standing on end and low current sparks flying from the ends of your fingers. This is possible because of the skin effect. The current is flowing in a very thin surface layer (which on humans is a lot of dead cells). You do have to be careful that the current doesn't all enter or leave through a small area where the current density would be very high. The same thing is true with a halfwave antenna where the voltage at the ends can be very high. When the area of entry is small like the end of a finger you can get a nasty RF burn. If you had an iron rod clasp in your hand there would be no burn. Some of the brethren used to use a pencil to draw an arc from the hot end of the tank coil to "test" the power. The wood of the pencil insulated you from the DC plate voltage. With the low impedance of solid state it's the currents that are high not the voltage.

Copper tubing is used in high power feed lines to save on expensive metal that doesn't do anything. The surface is kept in good condition because that's where the action is. When you get to Gigahertz, stripline inductors which are thin, plated wide strips of copper which act a little like the old Litz wire. The width acts like a number of parallel conductors which reduce the resistance to current flow. It also reduces the inductance for the same reason.

DX DX DX
By John Kanode, N4MM

KINGDOM OF MUSTANG - A NEW DXCC COUNTRY

An application for separate DXCC country status has been filed with the ARRL DXAC by Jay, WA2FIJ and Pete, N0AFW. According to the application, the Kingdom of Mustang is an independent political organization, it has a standing army, the king controls trade, taxation and travel in and out of the kingdom and its borders are recognized by other countries. The petitioners say it should be added by reason of government. According to the info supplied with the application, the Kingdom is an independent state with history dating back to the 8th century. However a recent reference in the book, HISTORICAL AND CULTURAL DICTIONARY OF NEPAL describes The Kingdom of Mustang as a formerly independent kingdom which today forms an integral part of Nepal. While Nepal administers Mustang's foreign relations, this mini-state retains much of its autonomy under its king. The Kingdom is located on the border between Nepal and China in a very mountainous and remote area surrounded on three sides by the Tibet Region of China and the Kingdom is about 750 square miles in area and the average altitude is 15,000 feet.

As with most of the recent petitions for new country status for DXCC, this one is not clear cut by any means. Somewhere down the road, new and more complete definitions as to what is and is not a DXCC Country will be required.

UPCOMING DX CONTESTS

RAC Canada Winter Contest	December 31 - January 1
ARRL RTTY Roundup	January 7 - 8
HA DX Contest - W	January 14 - 15
CQ WW 160 Meter CW Contest	January 27 - 29
UBA Contest - Phone	January 28 - 29
REF French Contest - CW	January 28 - 29

APPROVED OPERATIONS FOR DXCC

3A/F1IXQ	15 Jul 94	3A/F1RWD	15 Jul 94
3A/W5ZPA	29 Jul 94	3D2CA	01 Jan 94
3D2DJ	01 Aug 94	3D2DR	01 Jan 93
3D2KA	01 Nov 92	3D2PC	10 May 94
3D2TT	19 Aug 94	3D2YH	10 May 94
3XY0A	18 May 94	4U/F5LMG	11 May 94
4U/F5LVR	11 May 94	4X/VE2FTT	30 Oct 93
5B4/OK1CZ	09 Jun 94	5V7DB	12 Sep 94
7Q7CE	30 May 94	7Z5OO	11 Oct 94
8Q7DR	01 May 94	8Q7EA	18 Sep 94
8Q7EB	18 Sep 94	8Q7LX	01 Mar 94
8Q7KA	02 Jan 93	9G1BJ	24 Aug 94
A6/F2JD	21 Jan 88	CN2VA	01 Aug 94

DU1KK	17 Oct 94	DU7/SM0CNS	28 Jun 94
ET3BT	06 Oct 94	ET3IJ	13 Sep 93
FJ/AA2SZ	20 Oct 94	FK/JA1CMS	05 Sep 89
FW/JA1CMS	21 Feb 91	HI3RW	09 May 94
HS0ZAZ	01 Jun 94	JT4/JA1CMS	01 Jul 92
KG4WP	31 Mar 94	LX/DL4FCH	28 Oct 94
OH/JH1AJT	31 Jul 94	PJ2/AH0G	09 May 94
R3/AA5NK	07 Apr 94	S21AT	03 May 94
S79DEQ	09 Apr 92	T9/PA3DZN	01 Oct 93
TY1IJ	24 Sep 93	TY1TN	22 Oct 93
V26B	28 Oct 93	V26Y	26 Sep 94
V26Z	26 Sep 94	V31VW	06 Sep 94
VK3MX	12 May 93	VQ9JP	16 May 94
XU3DWC	01 Aug 93	YJ0AAK	14 Jan 91
ZA/G3MHV	12 Sep 94	ZA/KA6ZYF	13 Sep 94
ZF2LS	03 Oct 94	ZF2VS	11 Oct 93
ZK1JKH	10 Aug 94		

TIDBITS

The following stations are listed as bogus operations:
SU2CW, A51NS, 5A0/DL7FT and ST0CW.

On their recent trip to Bhutan, Jim, VK9NS and Kan, JA1BK did manage to conduct a demonstration of Amateur Radio using the call of A51MOC. In the brief time allowed, they worked several JA stations.

The Scarborough Reef and proposed minimum size rule situation is still pending. Hopefully there will be more to report in the next month. Lots of letters about it on the DX Reflector and to the DXAC and Awards Committee.

After their XF4M operation, the operators ran into trouble at sea. The boat they were returning on had a fire in the engines and it left them stranded at sea and after 20 hours of drifting, they were rescued by small Mexican Marine patrol boats and returned to the island. After alot of attempts to get off the island, they were flown to La Paz on a Mexican military aircraft.

In the past months, there has been several operations from the Principality of Seborga. All kinds of strange calls have been used. To date, nothing has been submitted to the DXAC regarding possible new country status for this area. Several articles about it have appeared in the Amateur Radio press but most accounts give it slim to none of becoming a new one.

Starting on January 1, CQ Magazine will be celebrating its 50th Anniversary. They have planned an operating event (a clone of the recent very successful ARRL HPM 125 event) for the first two weeks in January 1995. They also have several Golden Anniversary Awards that are available for operating in 1995. The rules for these activities have been printed in recent issues of CQ Magazine. Look for N4MM/50 during the first two weeks of January 1995.

Voting on the Austral and Marquesas Island and Balleny Islands is scheduled for November 1994. Also subject to a November vote is the issue of should there be a new DXCC Award for mobile operation. The results of these votes is not known at this time.

TRAINING CLASSES

New Editor JOHN FORREST WZ4A New Editor
6111 Burnett St.
Alexandria, VA 22310
(703)971-3905

Please send announcements for training classes and club training contacts to WZ4A at the above address. Deadline is the 25th of the 2nd month prior to the Autocall publication date (e.g., 25 November for the January issue).

CLASS ANNOUNCEMENTS

Upgrade Course

The Mount Vernon ARC will present an upgrade course for the General Class license beginning in January 1995. The course may be extended to the Advanced Class if demand warrants. The course will be held on a weekday evening in the Alexandria or Springfield area of Northern Virginia, both to be determined at a later date. For information contact: John Forrest WZ4A at (703)971-3905.

CLUB TRAINING CONTACTS:

Alexandria RC	Rich Adamy KA4GFY	(703)644-3920
Anne Arundel RC	Tony Young WA3YLO	(301)262-1917
Arlington ARC	Fred Bardsley WD4DHW	(703)533-0372
Antietam Rad Assn.	Robert Long KD3JK	(301)824-5132
Baltimore RATS	Joe Chidester W3SHZ	(410)602-0353
Baltimore ARC	Essex Community College	(410)780-6854
Fauquier ARC	Neil Spokes AB4YK	(703)364-3861
Frederick ARC	Steve Bauman W3FOA	(301)662-4552
Herndon Rep't Gp	Michael Weber WB8RDN	(703)450-2304
Laurel ARC	Pub Reaver W3DQI	(301)498-6293
Madras	Larry Ziecheck	(301)984-6112
MD Mobileers ARC	John Baugus N3JME	(301)551-3161
Montgomery ARC	Jane Rosenthal AA3CQ	(301)762-6262
Mt. Vernon ARC	John Forrest WZ4A	(703)971-3905
NASA/Goddard ARC	Vikki Gigante KA3PVS	(301)249-2609
Ole VA Hams ARC	John Fritsch N4YOB	(703)791-5995
Pentagon ARC	David Boyd K9MX	(703)659-6241
St. Marys Co. ARC		(301)862-2214
Shenandoah Val ARC	Guy Black W4PSJ	(703)722-4952
Southern MD ARC	Vic Curtis WA3YUV	(301)888-1388
Southern Pax ARC	Dwayne Kincaid WD8OYG	(301)586-2177
Springfield Est ARC	Will Schmitt KD4CNX	(703)768-5709
Stafford Adult Ed	Jerry Mullinix AC4HK	(703)659-3905
Sterling Park ARC	Mark Johnson WS3N	(703)430-3804
Tri-County ARC	John Creel WB3GXW	(703)572-5124
Vienna Wireless	Paul Wilkins AB4CY	(703)560-2779
Woodbridge Wireless	Cliff Deel KO4FM	(703)491-0841

FOUNDATION FOR AMATEUR RADIO

VOLUNTEER EXAMINER COOPERATIVE

JOHN FORREST WZ4A

6111 Burnett St.

Alexandria, VA, 22310

(703)971-3905

NOTICES:

- * Effective July 1, 1994, the General Class written exam question pool (Element 3B) was changed. Be sure to use study materials appropriate for the current question pool.
- * Copies of the complete (as of date) 1995 VEC Exam schedule from the AUTOCALL database are available. To obtain a copy, please send a large, self-addressed envelope with sufficient postage to cover 10 letter-size pages along with \$1.00 to cover copying costs to WZ4A at the above address.

SCHEDULE OF EXAMINATIONS

1995

January 8, 1995 (Sunday)

Landover, MD - D.C.M. ARC (ARRL VEC) Walk-In

Contact: Freddie Battle NG3G (202)546-9348 (Day)
(301)773-2898 (Evening)

Elkins, WVA (Mount. ARC VEC) Walk-In

Contact: Walter Corley KF8SX (304)637-0506

January 14, 1995 (Saturday)

Alexandria, VA - Mt. Vernon ARC (Laurel VEC) Walk-In

Contact: Frank Mackey N4GUS (703)455-1510

Davidsonville, MD - Anne Arundel Radio Club (Laurel VEC) Walk-In

Contact: Bob Israel WC3I (301)262-5083

January 21, 1995 (Saturday)

Laurel, MD - Laurel ARC (Laurel VEC)

Pre-Registration Desirable, Limited Walk-In

Contact: John Creel WB3GXW (301)572-5124 after 6 PM

January 24, 1995 (Tuesday)

Glen Burnie, MD - Maryland Mobileers ARC (Laurel VEC)
Pre-Registration Requested, Walk-In limited
Contact: Jerry Gavin NU3D (410)761-1423

January 27, 1995 (Friday)

The Pentagon, Arlington, VA - Pentagon ARC (ARRL VEC)
Pre-Registration Encouraged
Contact: Jim Fox KE4EID (703)756-8994 (Work)
(703)931-6523 (Evening)

January 28, 1995 (Saturday)

Washington, DC - GWU/DOS ARC (ARRL VEC) Walk-In
Contact: Hani Raad AA3EI (202)223-3925

February 5, 1995 (Sunday)

Landover, MD - D.C.M. ARC (W5YI VEC) Walk-In
Contact: Freddie Battle NG3G (202)546-9348 (Day)
(301)773-2898 (Evening)

February 11, 1995 (Saturday)

Alexandria, VA - Mt. Vernon ARC (Laurel VEC) Walk-In
Contact: Frank Mackey N4GUS (703)455-1510

Cumberland, MD - Mountain ARC (Mount. ARC VEC) Walk-In
Contact: Leo Patterson KQ8E (304)289-3576
Gay Rembold W3DFW (301)724-0674

February 16, 1995 (Thursday)

Towson, MD - Baltimore ARC (ARRL VEC) Walk-In
Contact: Bob Kennick WB3HNV (410)426-8255 Mailbox #3468

February 18, 1995 (Saturday)

Laurel, MD - Laurel ARC (Laurel VEC)
Pre-Registration Desirable, Limited Walk-In
Contact: John Creel WB3GXW (301)572-5124 after 6 PM

CONTINUED ON NEXT PAGE

February 28, 1995 (Tuesday)

Annapolis, MD - Maryland Mobileers ARC (Laurel VEC)
Pre-Registration Requested, Walk-In limited
Contact: Lois Turner KA3VVQ (410)647-4178

March 5, 1995 (Sunday)

Landover, MD - D.C.M. ARC (ARRL VEC) Walk-In
Contact: Freddie Battle NG3G (202)546-9348 (Day)
(301)773-2898 (Evening)

Elkins, WVA (Mount. ARC VEC) Walk-In
Contact: Walter Corley KF8SX (304)637-0506

March 11, 1995 (Saturday)

Alexandria, VA - Mt. Vernon ARC (Laurel VEC) Walk-In
Contact: Frank Mackey N4GUS (703)455-1510

March 18, 1995 (Saturday)

Laurel, MD - Laurel ARC (Laurel VEC)
Pre-Registration Desirable, Limited Walk-In
Contact: John Creel WB3GXW (301)572-5124 after 6 PM

March 24, 1995 (Friday)

The Pentagon, Arlington, VA - Pentagon ARC (ARRL VEC)
Pre-Registration Encouraged
Contact: Jim Fox KE4EID (703)756-8994 (Work)
(703)931-6523 (Evening)

March 28, 1995 (Tuesday)

Glen Burnie, MD - Maryland Mobileers ARC (Laurel VEC)
Pre-Registration Requested, Walk-In limited
Contact: Jerry Gavin NU3D (410)761-1423

April 2, 1995 (Sunday)

Landover, MD - D.C.M. ARC (W5YI VEC) Walk-In
Contact: Freddie Battle NG3G (202)546-9348 (Day)
(301)773-2898 (Evening)

CONTINUED ON NEXT PAGE

April 8, 1995 (Saturday)

Alexandria, VA - Mt. Vernon ARC (Laurel VEC) Walk-In
Contact: Frank Mackey N4GUS (703)455-1510

Cumberland, MD - Mountain ARC (Mount. ARC VEC) Walk-In
Contact: Leo Patterson KQ8E (304)289-3576
Gay Rembold W3DFW (301)724-0674

April 15, 1995 (Saturday)

Laurel, MD - Laurel ARC (Laurel VEC)
Pre-Registration Desirable, Limited Walk-In
Contact: John Creel WB3GXW (301)572-5124 after 6 PM

April 20, 1995 (Thursday)

Towson, MD - Baltimore ARC (ARRL VEC) Walk-In
Contact: Bob Kennick WB3HNV (410)426-8255 Mailbox #3468

April 25, 1995 (Tuesday)

Annapolis, MD - Maryland Mobileers ARC (Laurel VEC)
Pre-Registration Requested, Walk-In limited
Contact: Lois Turner KA3VVQ (410)647-4178

May 7, 1995 (Sunday)

Landover, MD - D.C.M. ARC (ARRL VEC) Walk-In
Contact: Freddie Battle NG3G (202)546-9348 (Day)
(301)773-2898 (Evening)

Elkins, WVA (Mount. ARC VEC) Walk-In
Contact: Walter Corley KF8SX (304)637-0506

May 13, 1995 (Saturday)

Alexandria, VA - Mt. Vernon ARC (Laurel VEC) Walk-In
Contact: Frank Mackey N4GUS (703)455-1510

May 14, 1995 (Sunday)

Antietam Radio Assn (Greater Hagerstown Hamfest)
(Mount. ARC VEC) Pre-Registration Desirable
Contact: Leo Patterson KQ8E (304)289-3576
Gay Rembold W3DFW (301)724-0674

May 20, 1995 (Saturday)

Laurel, MD - Laurel ARC (Laurel VEC)
Pre-Registration Desirable, Limited Walk-In
Contact: John Creel WB3GXW (301)572-5124 after 6 PM

May 23, 1995 (Tuesday)

Glen Burnie, MD - Maryland Mobileers ARC (Laurel VEC)
Pre-Registration Requested, Walk-In limited
Contact: Jerry Gavin NU3D (410)761-1423

May 26, 1995 (Friday)

The Pentagon, Arlington, VA - Pentagon ARC (ARRL VEC)
Pre-Registration Encouraged
Contact: Jim Fox KE4EID (703)756-8994 (Work)
(703)931-6523 (Evening)

EXAM FEES:

- * Check for appropriate exam fee. Fees and modes of payment for individual VECs and exam teams may vary.
- * ARRL VEC exams cost \$5.75
- * Laurel VEC exams are free
- * Mountain VEC exams are free
- * W5YI VEC exams cost \$5.75

BRING TO EXAM:

- * Picture identification
- * Completed FCC form 610 (most VE teams will supply at exam)
- * Original and a copy of current FCC amateur radio license
- * Originals and copies of all active certificates of successful completion of prior exams
- * Exam fee (check or cash depending on VE team)

"GRANDFATHER" CREDIT FOR ELEMENT 3B (GENERAL WRITTEN):

- * If you presently hold a Technician class license which was first issued prior to March 21, 1987, you may be grandfathered for Element 3B (General class written exam) by presenting the original and a copy of the license dated prior to March 21, 1987 to the VE team. It is your responsibility to prove that you are entitled to grandfathering. Do not lose your original license!

RULES FOR SUBMISSIONS TO THE FAR VOLUNTEER EXAMINER COOPERATIVE:

1. All submissions must be in writing
2. Date and day of week must be specified for each exam date
3. Point of contact and phone number must be specified
4. Sponsor and location must be specified
5. VEC must be specified
6. Exam dates up to 12 months in advance will be accepted
7. Deadline for submission is 25th of the 2nd month prior to publication date (e.g., Sept. 25 for November issue)

**PUBLIC INFORMATION COORDINATOR
MARYLAND/DC SECTION**

**Melvin J. Morenz N3EKZ
416 Brooks Court
Glen Burnie, MD 21060-7616**

**Voice: (410) 760-9426
Packet: N3EKZ @ WB3V.MD.USA.NA**

NEW PUBLIC INFORMATION OFFICER

The latest addition to the Public Information Officer ranks is Leonard A. Schachter, N3RPQ who is the new PIO for The Maryland Apple Dumpling Radio Amateur Society (MADRAS), Inc.

Leonard says "I have been a member of MADRAS for about one year and licensed since March 1994. I am very active in ARES and Public Service and would like to develop public contacts to enhance the image of Amateur Radio and encourage young people to become active in the hobby."

If you have any news items for Leonard, you may contact him at:

1811 Quincy St., NW
Washington, DC 20011-5335

W Ph: (301) 504-0470 H Ph: (202) 291-2189

Congratulations Leonard, on your new appointment.

TOUR de PORT

On October 30, 1994, over 1000 cyclists to part in the 22 mile Tour de Port ride through Baltimore. The tour started at the Harbor View Marina and included areas such as Ft. McHenry, Dundalk Marine Terminal, through Fells Point, Little Italy, "The Block", the Inner Harbor and ending at the starting point.

The communications plan for the event was put together by Bob White, WO3B who recruited members from both the Maryland Mobileers Amateur Radio Club (MMARC) and the Baltimore Amateur Radio and Television Society (BARTS).

There were three husband/wife ham teams and two father/son teams from MMARC. MMARC members were Bob WO3B, Corey N3JTA, John N3BTM, Jerri N3MDA, Bruce N3BWF, Elisa N3PCR, Brian N3QXW, N3SEN, Howard WB4OGP, Angie N3TGC, Dan N3RHW and Gary W3GMY. The BRATS group was led by Rob N3HAT and four others.

Communications support was provided on bicycle mobiles, a net control, rest stop coordi-

nation, and some stationary communication support throughout the ride.

A fun time was had by all. Congratulations to all who participated in this event.

EXPLORER POSTS

Contact your local Explorer Post representatives this month to make arrangements for an amateur radio demonstration at your club meeting in February to expose them to amateur radio. If you do not have an Explorer Post near you consider sponsoring one.

SCHOOL CLUB ROUNDUP

All school clubs should be getting ready for the School Club Roundup scheduled for February 13th through the 17th.

Does your club sponsor a school club? If not, seriously think about getting involved. Bring it up at your next club meeting, talk about it and approach a school of your choice near you.

Sponsoring a School Club is a great way to encourage students to pick up a new hobby, learn new ideas, expose them to amateur radio and an excellent opportunity to provide exposure for your club in your local community.

In an informal survey of young hams on Youthnet by Alex Leynes, N9KYJ and Jennifer Finch, N9SAK, the youths responded to the following questions on the survey (all questions not included):

1) What made you interested in ham Radio?

"Most answered that a relative introduced them to ham radio, others were tired of 11 meters, and a few said they had a small background in remote-control cars."

2) Why do kids want to be hams?

"They wanted to talk to someone older than them at the same level. Others thought that ham radio expanded their horizons in the field of electronics and science. Some said they liked the charm of contacting a person halfway around the world."

3) What would young hams like to see more of in amateur radio?

"The majority of answers were more young hams like us to talk to. But a few said that they're tired of being pushed by an older ham who doesn't like the young codeless Technicians."

4) As a young ham, do you think you're well represented in national or local ham organizations?

"Answers varied, depending on local ham clubs. Most said that they weren't well represented in the national clubs or organizations."

Our students of today will be the leaders of amateur radio tomorrow. Find ways to get the

youth of today involved in your club activities. Encourage them to join and participate, give them opportunities to succeed."

Here is a splendid opportunity for "Elmers" to "shine."
(pg. 90, December 1994, QST)
VALENTINE'S DAY

Next month on the 14th will be Valentine's Day. Plan to set up a **VALENTINE's Day Message Center** at your local mall or anywhere in your county where there will be a large gathering of the public.

This is a unique way to send a Valentine message to your loved ones and exposes the public to the message handling capabilities of amateur radio in a positive way. Usually the public hears about the communications capability of amateur radio operators as a result of a disaster or other emergency event.

Make plans now for your club to be a part of the celebration by contacting your local mall office for a prime spot where messages from the passersby may be accepted and expose amateur radio in a positive way to the public.

Don't forget to notify the Section Traffic Manager (STM), Bruce Fleming, N3EGF of your intent to participate so that the National Traffic System (NTS) operators will have a "heads-up" on the increased traffic load that you will be generating.

WORLD RADIOSPORT TEAM CHAMPIONSHIPS (WRTC) '95

The Potomac Valley Radio Club (PVRC) is asking for help from individuals and clubs to provide support for this World Class championship event.

The areas requiring support include: Host Families to house the teams (approximately 100 people), VHF Coordination, Volunteer stations, Transportation, Drivers, Recreational Director, and Tour Guides.

For more information, see December 1994 issue of Auto-Call.

Contact person for the PVRC is Brian Skutt ND3F:

PH: H (410) 531-6596 W: (301) 317-3812 PKT: ND3F @ WB3V.MD.USA.NA

Contact Brian NOW. Be a VOLUNTEER TODAY!

DC AMATEUR RADIO EMERGENCY SERVICE (ARES) NET

The District of Columbia ARES has started regular nets every Sunday at 8 p.m. on the 145.110 MHz, W3EIL, CCARS Repeater.

For more info, call Hani Raad, AA3EI at: (202) 223-3925.

PUBLICIZING AMATEUR RADIO

Do your part in publicizing your participation in any of the above events in the local section of your county newspaper. If you do not have a Public Information Officer (PIO) representing your club, your club secretary will most likely be taking on that responsibility.

For more information on PIO appointments contact your PIC today.

73 - Mel, N3EKZ

1995

National Capitol ARES Council Public Service Calendar

January						
S	M	T	W	T	F	S
1	2	3	4	5	6	7
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January	
20	Special Olympics (NVA-FFX)
21	Special Olympics (NVA-FFX)

February	
18	GW Birthday Parade (NVA-ALEX)

March	
11	St. Patrick's day parade (NVA-ALEX)
25	Boy Scout 1/2 Marathon (DC)

April	
8	Cherry Blossom Parade (DC)
15	Bull Run Run (NVA-FFX)
23	GW Parkway 15K (NVA-MTV)
	MS Walkathon Reston (NVA-FFX)
29	Dogwood 1/2 100 (NVA-D1)

May	
6	Apple Blossom Parade (NVA-D1)
13	American Lung Association Bikathon (NVA)
14	American Lung Association Bikathon (NVA)
20	MS 150K Bike-athon (NVA)
21	Crystal City 10K (NVA-ARL)
	MS 150K Bike-athon (NVA)

June	
3	Old Dominion 100M Horse (NVA-D1)
4	American Heart Association 10 K race (DC)
6	Hurricane NANA Exercise (MEMA)
9	Alex Waterfront Festival (NVA-ALEX)
10	Alex Waterfront Festival (NVA-ALEX)
11	Alex Waterfront Festival (NVA-ALEX)
24	Field Day
25	Field Day

July	
4	4th of July on the Mall (DC)
	July 4 Mt Vernon (NVA-MTV)

September	
17	MS 1/2 Marathon (DC)
23	Children's Festival (NVA-FFX)
24	Children's Festival (NVA-FFX)

October	
1	Westmore School Run (NVA-FFX)
7	Claude Moore Farm Park (NVA-FFX)
8	Clifton Day (NVA-FFX)
	Claude Moore Farm Park (NVA-FFX)
14	Simulated Emergency Test (MDC)
22	The Marine Corps Marathon

July						
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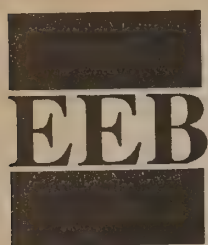
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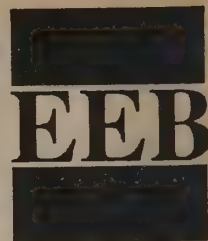
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December						
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31						



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Cushcraft, Astron, Sony, Lowe, Drake,
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10am-4pm Saturday



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The Vienna Wireless Society

Post Office Box 418 Vienna, Virginia 22183

Dear Vendor:

The Vienna Wireless Society is pleased to announce that **Winterfest 95** will be held on **February 26, 1995**, at the Town of Vienna Community Center. The community center is located at 120 Cherry Street, SW Vienna Virginia.

Commercial vendors tables are \$20.00 each and non - commercial tables are \$15.00 each. There will be a limit of four (4) tables per vendor, with the exception of a very few grand - fathered at five (5) tables.

Please forward the enclosed application, with your check or money order made out to the Vienna Wireless Society and include a SASE. This is to be forwarded to the club address shown below.

Each table (s) entitles you to one (1) admission ticket. Any paid reservation you submit will not be valid without payment and a SASE.

This is a family oriented hamfest. All items not appropriate or which do not relate to amateur radio and / or computers will be judged unsuitable and will not be allowed for display or sale. All decisions shall be made by the **Winterfest Chairperson** and his judgment is final.

The Vienna Wolf Trap Motel, located at 430 Maple Avenue West, Vienna, Virginia - telephone number 703-281-2330 is the closest motel (approximately a mile) to **Winterfest**.

73's Hope to See You There!!!

Christine DeLong - KE4HWE
Winterfest 95 - Table Chairperson
PO Box 418
Vienna, Va. 22183

Any questions please call Jorge Thevenet - KD4DGQ at (703) 729 - 4711

Enclosures



VIENNA WIRELESS SOCIETY

19th and ARRL SANCTIONED

WINTERFEST WINICKIES! ^(R)

VIENNA COMMUNITY CENTER

SUNDAY, FEBRUARY 26th, 1995

FROSTBITE TAILGATE OPEN 6:00 AM, FIRST COME BASIS

INDOOR AREA OPEN 7:30

ADMISSION \$5: XYL FREE

TAILGATE SPACE \$10 INCL

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PRIZE DRAWINGS HOURLY

9 AM - 3 PM

INFO: Jorge, KD4GDQ (703) 729 4711

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NOTE !! - DAY BEFORE:

VEC exams / same place

SATURDAY, 25th ~ 9AM



TALK IN: 146.31in/146.91out

K4HTA/R 146.085 in/146.685

FROSTFEST '95

Winter Amateur Radio and Computer Show

SUNDAY, JANUARY 15, 1995

The Showplace, 3000 Mechanicsville Turnpike, Richmond, Virginia



Hours: 8:30 A.M.-3:30 P.M.

An ARRL Approved Event



Presented By The Richmond Amateur Telecommunications Society

GENERAL INFORMATION

DEADLINE FOR ALL RESERVED SPACES AND ADVANCE TICKET SALES IS DECEMBER 30, 1994. No space reservations or advance tickets after that date. Any unsold spaces will be available on the day of the show. All monies for advance tickets and reserved spaces must be received no later than January 2, 1995.

SAME LOCATION AS LAST YEAR. Building available for set-up from 12:00 p.m. until 8:00 p.m. on Saturday, January 14th, and from 6 a.m. till 8 a.m. on the day of the show. Drive-in for unloading available on Saturday only.

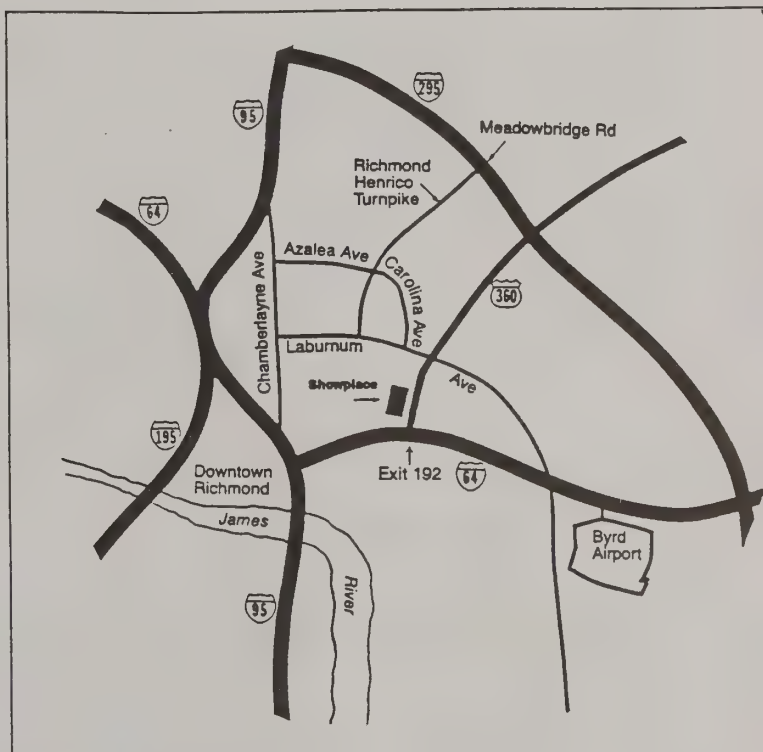
TICKETS AND RESERVATIONS:

Becky Holberg, (804)264-8218 evenings

AMATEUR RADIO EXAMS GIVEN ON SATURDAY, JANUARY 14, AT 4:00 p.m. For more information or registration for exams, contact Dow Pierce, WA4HMX, at (804)232-8128.

FORUMS AND PRIZES! Various forums during the day. Hourly door prizes are drawn starting at 9 a.m. Major prizes drawn at 3:30 p.m.

FIRST-RATE TALK-IN SERVICE! Talk-in provided Sunday morning on the 146.88 and 145.43 repeaters.



DIRECTIONS TO THE SHOWPLACE (location of the Richmond Frostfest)

Approaching from the NORTH on I-95:

Come south on I-95 until you reach Exit 75 (Interstate 64 East) / Take the exit for Interstate 64 East (towards Norfolk - Virginia Beach) / Go approximately 1.5 miles to Exit 192 (Route 360) / Take Exit 192 for Route 360 East / Go approximately a half mile, and turn left into The Showplace.

Approaching from the SOUTH on I-95:

Come up I-95 until you reach Exit 75 in Richmond. (This will be an exit for I-64 East) / Take Exit 75 for I-64 East (towards Norfolk - Virginia Beach) / Go approximately 1.5 miles to Exit 192 (Route 360) / Take Exit 192 for Route 360 East / Go approximately a half mile, and turn left into The Showplace.

Approaching from the EAST on I-64:

As you approach Richmond, take the exit for Route 360 East (Mechanicsville Turnpike - Exit 192) / Go approximately a half mile, and turn left into The Showplace.

Approaching from the WEST on I-64:

Come east on I-64 and take Exit 187. (This is an exit for Interstate 64 East/Interstate 95 South, which places you on the combined stretch of I-95/I-64 that runs through the center of Richmond.) / Go approximately 4 miles and take Exit 75 for I-64 East (towards Norfolk - Virginia Beach) / Go approximately 1.5 miles to Exit 192 (Route 360) / Take Exit 192 for Route 360 East / Go approximately a half mile, and turn left into The Showplace.

IMPORTANT NOTICE

To: ALL MEMBER CLUBS

Re: ELECTRONIC SUBMISSION OF AUTO-CALL ARTICLES

EFFECTIVE IMMEDIATELY

The MRC BBS (Maryland Radio Center) located in Laurel, MD will be the New BBS for Auto-Call use. Arrangements has been made to allow Member Clubs to upload Auto-Call club columns for publication in Auto-Call Magazine.

When uploading your column to the BBS you should specify that it is for Auto-Call. Please remember to use your club name as your file name. (i.e. AMSAT.TXT, NVFMA.DOC, Etc.) this will eliminate any confusion when I download the file.

Electronic submissions are still required to be uploaded prior to our new deadline. Any file received after the deadline will not be printed.

MRC BBS PHONE NUMBERS
(301) 725-8307 (24 Hrs.)
880-4266
(Between the Hours of 6 P.M. - 9 A.M.)

ATTENTION QRP'ERS:

Anyone interested in joining a QRP club in Northern Virginia? We meet once a month at a tavern, require no dues, concentrate mainly on QRP, but are into all aspects of Ham Radio. Have many events planned for next year including a QRP backpacking trip in the mountains, Field Day, CQWW ETC...

Call Doug Bankston, KB8IDW at home (703) 720-4328 or SASE to 105 St. Georges Dr. Stafford, VA 22554

AMSAT
The Radio Amateur Satellite Corporation

- * Local Meetings: Semiannual in March and September
- * VHF FM Net: Sunday at 9 p.m. on 146.835 MHz FM, WA3NAN/R, Greenbelt, MD except on holiday weekends.
- * Information: NCS Pat Kilroy, WD8LAQ, by packet radio: WD8LAQ @ WB3V.MD or by internet: wd8laq@amsat.org

AMSAT is a non-profit, scientific and educational organization incorporated in Washington, D.C. with headquarters in Silver Spring, Maryland. Everyone is welcome to join AMSAT and to become actively involved in the support and operation of the amateur space program. Our AMSAT Regional Coordinator is Howard Ziserman, WA3GOV. If you would like additional information then please write to: AMSAT Headquarters, PO Box 27, Washington, D.C. 20044. Or you may telephone Headquarters at 301-589-6062.

AMSAT IN SCHOOL. Amateur satellite talks are offered by AMSAT members for your junior high school class and above, scout troop, or ham radio club. The most often requested presentation topics are Shuttle Amateur Radio Experiment (SAREX), working OSCAR-13, getting started on the pacsats, the "easysats" RS-10 and RS-12, and decoding telemetry. Yours for the asking and scheduling! Contact me for additional information.

AMSAT MEETING. A wonderful description of the AMSAT-NA Annual Meeting and Space Symposium held last October was provided by John Swafford, W4HU in his ARRL Report column in last month's edition of Auto-Call. Go back and check it out if you missed it! If you'd like to get the complete story, call Martha at AMSAT Headquarters to order a copy of the proceedings as published by the American Radio Relay League.

The next local AMSAT meeting is tentatively set for Sunday afternoon, March 19, 1995 in Greenbelt, Maryland.

NEXT SAREX. The next mission to carry SAREX will be STS-67 in early March with AMSAT's own Ron Parise, WA4SIR, on board the Endeavour in an orbit with a 28.5 degree inclination. Watch for operating tips in packet radio bulletins and AMSAT net announcements coming soon.

SUNDAY EVENING NET. The number of check-ins to the AMSAT weekly information VHF net has been quite humble since last June. Each club that participates in the Foundation should feel free to note this public service and opportunity for self-training in their newsletter each month. New check-ins say they "stumbled" across our net and then wonder why it is kept "secret". We are here to guide and help!

For the beginner, the net is a great time to receive the next best thing to personal instruction on how to communicate through the amateur satellites. For others, the net is a way to receive the latest news and events regarding the amateur space program as well as the current OSCAR status reports. Mark it on your calendar: Sundays at 9 p.m. on 146.835 MHz FM, Greenbelt, MD. We don't want to miss you!

73, Pat WD8LAQ

COMING EVENTS:

- * March 1-16, 1995 - STS-67 SAREX flight with WA4SIR. Two-meter FM voice and packet radio.
- * March 19, 1995 - Local AMSAT Semiannual Meeting, 1 p.m., Greenbelt, MD. Contact WD8LAQ for info.

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Antietam Radio Association

- * Meetings: First and third Tuesdays of the month at 8 p.m. at E.O.C. of Washington County Courthouse, 100 West Washington Street, Hagerstown, Maryland. Mailing Address: P.O.Box 52, Hagerstown, MD. 21741
- * Nets: Tuesday 7 p.m. 146.940 MHz; Wednesday 7 p.m. 447.975 MHz; Thursday 7 p.m. 147.090 MHz.
- * Information: Donnie Sue Mulligan/KB3AOO (301) 582-2984

The 70th Alsatia Mummers' Parade in Hagerstown, October 29, was off to a good start with perfect autumn weather, about 50-55 degrees. Joe Rummel/NS3Q was the Activities Chairman and had enough HAMS volunteer for the parade. Helping Joe communicate throughout the 3 hours were Joe/K3LLP, Stan/W3YGC, Ted/WA3AAT, Jack/W3NHR, and Bob/KD3JK. The parade was shown on TV Channel 30 several times the following week.

On October 30, the Antietam Radio Association VE Team gave 17 ARRL tests at the amateur radio store, in Hagerstown. Nine of those tested, upgraded. Congratulations to all that took the test, upgraded, became HAMS.

Thanks to all the ARA amateurs who volunteered to go to Mercersburg, PA. for the parade on Halloween Night, October 31. There were Joe/NS3Q, Don/KE3MM, Joe/WA3PTV, Fred/N3HTN, Pat/N3PMO, Don/WB3FTQ, Ray/N3ODA, Page/WA3EOP, and Curt/N3TLJ. According to Joe, you were GREAT!

At the second meeting of November, 1994, the Antietam Radio Association held it's annual election for the club offices. The new officers are: President, Pat/N3PMO, Vice President, Charles/NF3X, Secretary, Ellen/N3MZA, Treasurer, Page/WA3EOP.

The Board of Directors are: Ted/WA3AAT, Larry/N3QBI, and Jim/N3PMP. Congratulations to all.

At the same meeting, Bill Howard, WB3V, was featured as the guest speaker. Bill spoke to the membership about the many ways the ARRL Field Or-

ganization helps the ham. Many thanks, Bill, for a fine presentation.

The JFK 50 Mile Ultramarathon was held on November 19, with the ARA providing support through communications. Joe/NS3Q, again organized the communication support, and had the assistance of: Bob/NC3T, Norma Jean/NC3X, Bob/KD3JK, Jack/W3NHR, Ted/WA3AAT, John/N3TDN, Steve/N3MVL, Pat/N3PMO, Roy/N2CSQ, Jim/KD3O, Curt/N3TLJ, Howie/WA3EOQ, Joe/K3LLP, Larry/N3QBK, Lauren/N3RTJ, Don/WB3FTQ, Bill/N8UKC, Carl/N3LER, Charlie/NF3X, Donna/N3LFY, and Nat/W2CXB. KD3TY/Don, WA3EOP/Page, and WA3VDX/Buck worked Net Control for the 12+ hour event. N3EAV/ Dale acted as coordinator between REACT and the ARA.

The weather was great for the race, which is the oldest Ultramarathon in the United States, this being the 32nd year. The winner of the 50.2 mile Ultramarathon was Eric Clifton, the 1991 winner. Eric set a new course record of 5:46:22, breaking the old mark of 5:53:05. The womens' winner was Carolyn Showalter, with a winning time of 7:58:15 (good for an overall finish of 35th). Congratulations to Eric Clifton, Carolyn Showalter, and to all those who participated. Carolyn, of Maugansville MD., became the races 2nd 6-time female champion, joining Donna Aycoth.

Many thanks goes to all those that assisted.

Art/KA3BOT wants to send his thanks and appreciation to all of his many friends in the amateur radio world that sent their best wishes to him for a speedy recovery from his recent illness.

Until next issue, best 73, Donnie Sue/KB3AOO.

Chapter X



Society



of Wireless Pioneers

THE INTERNATIONAL ORGANIZATION
OF PROFESSIONAL RADIO TELEGRAPHERS

For Information Call
(703-536-9537)

Arlington Amateur Radio Club

- * Meetings: Third Tuesday of each month at 7:30 PM Place: Red Cross building, 4333 Arlington Blvd., Arlington, VA Net: Tuesdays (except third Tuesday), 7,30 PM, 145.47(-)
- * Information: Mike Callaham, MW3V 241-5618 or *WA3TAI
- * Mail: 4333 Arlington Blvd., Arlington, VA 22203

Happy New Year! Before we get carried away with 1995, lets bring you up to date on how we finished off 1994.

Field Day results came in. As a club we didn't have to do much more for last year's field day than show up and operate and have a good time with members of the Alexandria Amateur Radio Club. Twenty operators from the two clubs logged 738 QSOs for 3236 points and a 19th place in the 6A group. This year it will be our turn to host Alexandria.

We had another antenna party in early November, this time to install an R-7 for K6HWT, Larry Scadden. Mike, Dennis, Joe, and Marc did the job. Two weeks later Larry, who likes to operate CW, reported working 16 countries with the new vertical. Larry lives in Arlington and requested help because he is blind.

I can't tell you who the 1995 officers are yet, but I can tell that the club Vice President and Trustee, Dennis Bodson, W4PWF, was re-elected this Fall as ARRL Vice Director from the Roanoke Division. Congratulations Dennist

We had two visitors, Abdulla Bashir and Dave Boyer, at the November meeting interested in getting their first ticket and joining the club. We lent our video-taped training materials to Dave and then they'll go to Abdulla. Welcome guys, and good luck!

We're always happy to help newcomers to

the hobby get started on the path towards their first liscence. Once you're on the air, club members NW3V will get you going on packet, kB4RA will help you work your code and find software, N4BYF will get you started in public service, and W4PWF will keep you up to date on the latest developments in ham radio and the ARRL. Other members like to share there interests and help each other as they continue to branch out and upgrade their tickets.

In 1995 you can count on us helping out with communications for the Red Cross-sponsored Crystal City 10k Run, scheduled for May 219t. For other activities, or just to check us out, our meetings will continue to be at 7:30 pm on the third Tuesday of the month, as listed above. Feel free to join us.

73, Marc, KS4CU

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Baltimore Amateur Radio Club

- * Meetings: Twice monthly, 7:30 pm at Dulaney High School (Padonia Road, Timonium MD) -First Wednesday of the month: business meeting -Third Wednesday of the month: programming
- * Repeaters: W3FT/RPTR 146.67(-)/224.24(-) (no PL) and 449.625(-) (PL 107.2) Note: two meter/220 Mhz are linked.
- * Club Net: Every Tuesday night at 8:30 pm on 146.67/224.24
- * Club BBS: (410) 665-7646 (minimum 2400 baud)
- * Club Voice Mail/Information: (410) HAM-TALK
- * Greater Baltimore Hamboree & Computerfest/Maryland State ARRL Convention Information: (410) HAM-FEST or (800) HAM-FEST
- * Mailing: BARC, Inc.; P.O. BOX 120; Reisterstown MD 21136

Many thanks to Mr. David A. Hatch, Director of the Center for Cryptologic History at the National Security Agency for our November program on the history of intelligence gathering (with emphasis on electronic means employed during World Wars I and II). For those who missed the talk, there will be a pop quiz at the next meeting. Hint: brush up on your alphabet soup; the chalkboard was filled with acronyms after the presentation. (Sort of like playing scrabble... ELINT, ENIGMA, ...)

The club-sponsored fall semester ham radio license training class held its last session on Tuesday November 29th. And it appears that the recent graduates may not have too long to wait for their tickets after taking the licensing exam: one of our recent testees (at the October testing session) received his ticket in the mail four weeks after the exam ! There may be another training class beginning in the spring (depending on enrollment ?). Check with Essex Community College at 780-6854 for course offerings and registration materials.

Traditionally, the club holds a free minihamfest ("minifest") in the middle of January... the slow season for hamfest activity. The event will take place at the Timonium State Fairgrounds on a Wednesday evening in the middle of the month. No admission charge, and tables are free too. So do your spring cleaning early: clean out those closets and attics and bring your junk... er, I mean your treasures. Call the HAM-TALK number for more information.

... 73 de N3IVO/Rosie



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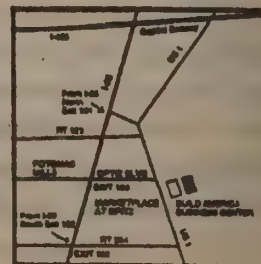
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Carroll County Amateur Radio Club

- * Meetings: 2nd Monday at 7:30 pm, Carroll County EOC Washinton Road (Rte 32) 1 mile north of Route 97, Westminster, MD.
- * Repeaters: 145.41 MHz, 449.875 MHz, 53.090/52.090 MHz
- * Mail: CCARC, Inc., P.O. Box 2099, Westminster, MD 21158
- * BBS: K3ZPN, 145.03 MHz and 441.000 MHz

CARET NET: The Carroll Amateur Radio Emergency Team net meets every Tuesday on 145.41- at 8:30 PM local time. Come join us for ARRL news, bulletins, information, and emergency training. This net also has liaison to the NTS. Remember to give us a shout on any of the repeaters if you are in the area!

CLASSES: 2-meter code practice is given on 147.480 simplex starting at 7:30 PM local.

HAMFEST: The Mason-Dixon hamfest was held on October 30TH and was a big success! We had three seminars; AMSAT, AMRAD, and EPRS by WB4ATR. The club table did about \$100 worth of business. The VE session results were: Applicants: 23, Elements taken: 47, Elements passed: 32, Upgrades (and new tickets) earned: 17, VE's present: NE3P, NZ3J, NU3X, K2ATH, KE3FL, N3KJY, WN3N, and KA3WQE

SET '94: We had a good time and learned better traffic handling in the process. People present were: WX3F/Larry-Hospital, N3JIA/Rich airport station, Charles Cunningham (a ham in waiting), WY3Y/Joe, N3SB/Steve, and, all NCS at one time or other along with KE3FL/Phil, N3RKI/Walt was at the high school evacuation shelter, and N3UN/Wayne was our MEPN link: Health and Welfare Link Out of County (HWLOC). And just to prove that we, in fact, did what we said we did, our club documenter was KA3RQQ/Bob with his multiple video cameras. We had 10 check-ins (QNI), 52 pieces of

traffic handled (QTC), and the net lasted 4 hours (QNF).

Board Member: Matt/N3QEH was elected to the open board position this month. Congratulations/condolences, whichever! At this meeting Phil/KE3FL was taking applications for ARES/RACES and he also helped one of our members tune up his foldable J-pole antenna using an MFJ antenna analyser.

73, Phil Karras/KE3FL

HAPPY NEW YEAR

From The Staff At

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And New Subscriptions To:

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PO Box 7612
Falls Church, VA 22040-7612

**Columbia Amateur Radio Association
(CARA)**

- * Club meeting: 4th Tuesday of the month at 7:30 p.m., at the county's Howard Building on Court House Drive in Ellicott City.
- * Net: 147.135 repeater at 8:30 p.m. each Tuesday except for meeting nights. Youth net: 147.135 repeater at 7:30 p.m. every Thursday.
- * Repeaters: 147.735/147.135 (cross-linked to 222.32/223.92); 147.990/147.390 (direct dial 911); 222.32/223.92 (cross-linked to 147.735/147.135); and 443.275/448.275.
- * Information: Bob Scarburgh, Pres - KC3EV, (410)465-2421.

The CARA elections meeting was held at the Bethany Lane Methodist Church in Ellicott City on November 22nd. Here is the new slate of officers for the coming year who will be installed at our January 21 Winter Banquet at the Clarksville Volunteer Fire Department:

Pres - Bob Scarburgh-KC3EV
VP - John Pinkston-W3GJN
Secy - Jon Wilson-N3KRR
Treas - Joseph Massi-KB2JG
Mem-at-Large - Dave Anderson-WA3WZX

A Star Trek/Sci-Fi net has been formed on the 147.135 repeater on Monday nights at 9:00 pm. It has become quite popular in the brief time it has been in existence - about two months or so. On November 28, due to atmospheric conditions, the net had check-ins from as far away as North Carolina and Vermont.

HAPPY NEW YEAR TO EVERYONE!!

73's, Jean Williams-KB3AOT

**Digital Mid-Atlantic Radio Council
(DMARC)**

- * Meetings: Quarterly. Dates and Locations decided the meeting before. Next meeting is tentatively scheduled for late February at the Anne Arundel Radio Club. Watch for announcement via packet radio bulletin, and February AUTO-CALL.
- * Packet Address: WA3TAI @ WA3TAI.MD Tom, or N4EOC @ W3INK.MD Mark.
- * Information: Mark Bary, N4EOC (301) 540-0024 or via packet as above.
- * Mailing Address: DMARC, P.O. Box 73, Accokeek, MD 20607

My apologies for not getting something into the November and December issues! Time has been FLYING by!

DMARC held a meeting in November which was hosted by Lee, N4LXI. Lee invited us to his "work QTH" in Reston. Quite a nice environment, once you got there (those following Lee's directions know where the humor is hiding in this remark!). There were (at least) 19 folks present. It was a mixed group, with Sysop's, User's, and at least one person self-described as a "newbie".

There was some discussion on the state of the network, some talk of projects getting off the ground in DMARC (such as maps showing BBS's & Nodes, a DMARC Newsletter, a DMARC Digital Mode Resource Guide for members, among others). Pete, WA3UMY, is making continued efforts to ensure the DCA Stack is operational and that the current location will be available for the near future at least. If you have an idea or issue concerning the DMARC Bandplan, contact Stan, W3INK at W3INK @ W3INK.MD or by phone at 301-977-7987. He is putting in great effort to create a new one that equitably represents all digital radio interests in this area while fitting in with the FCC, ARRL, and TMARC Bandplans.

Continued on next page

Prince George's Wireless Association

- * Meetings: First working Tuesday of each month, 7:30 P.M.; American Red Cross Bldg.; 6206 Belcrest Rd. Hyattsville, MD 20782
- * Club Station: K3CEZ
- * Mailing: 4109 Kennedy St., Hyattsville, MD 20781
- * Information: Frank Holton - WA3ZMW (301) 927-1245

PGWA held it's regular monthly meeting on Tuesday, November 1, 1994. Frank - WA3ZMW opened the meeting with minutes of the previous meeting read by Ken - N3HLY. Frank read incoming correspondence and announcements including future Hamfests. Officer reports were given along with old and new business and discussion of the SET Simulated Emergency Test held back in October.

Election of Club Officers was held with two changes made. WB3KXL was elected first Vice-President and Ken - N3HLY took over as Secretary. Frank - WA3ZMW is still President with Charles - KA3COT as Treasurer.

The club members decided to hold a packet training meeting in the middle of the month. So on tuesday, November 15, Packet Radio training began with Dave Black - WB3KXL as the instructor. Basics started with how to hook up with various cables to the transceiver, TNC and the computer. Training lasted a couple of hours. Those attending were Dave - WB3KXL, Frank - WA3ZMW, Charles - KA3COT, Les - WA3NGF, Kathy - N3QPO, Vince - N3IEG. Ken - N3HLY was home with the flu and couldn't make it.

The december meeting will be in the form of a Christmas Social with refreshments and everyone receives a gift from the members old electronic goody chest. You know things they have saved over the years but hated to get rid of. So now is the chance. Dues are now in order, so let's all do our duty to KA3COT who has his palm outstretched for another year.

Happy New Year to all from Ken Easton - N3HLY

January 1995

DMARC - Continued from page 36

Lee and Rick, AI1V, made a very impressive presentation on "High-Speed Packet Radio". They were very well prepared with an overhead presentation that touched on several areas regarding the development of high-speed networks, including the use of digital repeaters, 56K backbones, intelligent packet routing/Node Management, and use of other paths (Internet, phone lines, gateways) to enhance network performance. Tremendous job, guys! Thanks!

ANNUAL MEMBERSHIP DRIVE STARTS!

This marks the beginning of the new year's membership drive! ALL interested parties are asked and encouraged to join DMARC now! Users, Sysops, NodeOps, Packet Cluster users, TCP/IPers, etc.; ANYONE having an interest in the digital communications field of Ham Radio! Pete Butt, WA3UMY, is coordinating the DMARC DigitalMode Resource Guide, which is planned to be distributed to the membership. I have a rough draft, and it's gonna be GREAT! For everyone from the newest user to the seasoned sysop. Membership dues are only \$12 per year.

To obtain a membership application, you may contact one of us above, look on the Land Line side of your favorite Packet BBS, or drop a note to the mailing address above. Your support is needed in the form of your participation in DMARC also. So come on out to the next meeting and see first hand what's going on!

Hope your Holiday Season was wonderful! Have a safe, healthy, and very HAPPY NEW YEAR!

Keep watching for new developments, timely information, and updates to the Network by looking for messages to DMARC @ MDCBBS.

73- Mark, N4EOC

Fauquier Amateur Radio Association

- * Meeting: 7:30 pm, Second Tuesday of the month except July, August & December. Shadow Lawn Recreation Center, Warrenton VA. Next meeting, January 10, 1995
- * Breakfast: Last Saturday of the month at Big Boy (next to HoJols) Warrenton 7:30-9:00 am
- * Net: Every Wednesday, 9:00 pm, 147.165 MHz Rptr
- * Packet: FARA7 node 145.070 MHz with direct connect to FBBS9 Bulletin Board 145.090 MHz.
- * Repeater: NZ4N/R 147.165 MHz (+0.600 MHz)
- * Newsletter: Toroid, Monthly. (A complimentary issue is usually available from Warrenton Radio Shack.)
- * Information: Neil, AB4YK, (703) 364 3861

The November meeting, featured a presentation by Don, WY2V, former and future President of Fauquier Amateur Radio Association. Don talked on the subject of "IIDX Delight" at the November club meeting. With just two or three countries to go for ARRL Honor Roll (confirmed QSO's with 316 of the 326 DX countries) Don is the club's premier DXer. We learned in his talk of the rarest and easiest to get countries and of the extremes to which a ham will go trying to get to remote outposts far from civilization to set up a DXpedition station. Don told of the comparative ease of making contact with some of the rare stations but we also learned of the patience and technology required to snare contacts with other rare spots on earth when things are not quite so easy (most of the time). Don had a video of his station which he shared with us during the intermission. Don touched a lot of empathetic soft spots with the talk and video.

The following new members were welcomed to FARA in recent meetings: Alex Armstrong (working toward Novice/Tech), Gary Davis, K1Pwj, Mike Gardner, N3TGN,

David Charnovia, KC4BZB, Will Marchant, KC4ROL, Emerson Rehee, KE4QJH, Bonnie Rehee, KE4RQD, Kenneth Merrill, KD4WMX, Joseph Musachia, KA5ZMK. A very hearty welcome to them all and to all the new members who have joined FARA in 1994.

The big news of the November meeting was the election of officers who will take office January 1, 1995. Congratulations to the new officers: Don, WY2V, President; Mark, KD6AKC, Vice President; Woodie, KC6NOT, Secretary; George, WD4KOJ, Treasurer; Jim, K8SLC, Activities Chairman.

A successful examination session was held by FARA on Wednesday November 2. We had four candidates who took a total of 8 elements, passing 5. We had one new ham, Mary Tauss, wife of club member Brian Tauss, KE4IAR. Mary became a Tech at one sitting. There was one upgrade to extra - Bob Veith from Elkton, who passed the Extra written exam. FARA's John McKusker now has only to get his code

up to the 13 wpm level to take advantage of passing both the general and advanced written elements at the test session. Thanks to Karen Sue Walker, N4XZC, who so kindly made available the use of her store, the Quilters' Confectionery for the occasion of the exam, the accommodations were most excellent.

The December schedule included our annual end of year ham and turkey party. Stop by one of our breakfasts or the club meeting. Season's Greetings to you all.

Neil, AB4YK

SEND YOUR SHACK SALES ITEMS TO:

Doug Allen, Editor
Auto-Call Magazine
8008 Shadow Oak Lane
Pasadena, MD 21122

Green Mountain Repeater Association

- * Meetings: Board of Directors, Last Monday of each Month
- * Repeaters: KD3VR-146.61 (Cheverly) K3GXF-146.88 (Greenbelt)
- * Luncheon: First Saturday of each Month at the Fountain Cafe, in the Laurel Shopping Center Mall, U.S. Rt. 1 (Baltimore Ave) and Cherry Lane. Starts at 11:30 A.M.
- * Mailing: GMRA, P.O. box 429, Riverdale, MD 20738
- * Information: Boyd Nelson - KZ3Z (301) 434-0934

GMRA held its regular luncheon meeting on Saturday, November 5, 1994. There was a terrific turnout of members. It was a real treat to see C.T. K3GXF and Sue N3RWI for the first time since C.T.'s visit to the hospital back in September. Three members showed up on their electric carts for the handicapped. Gus K3KZS, Charles KD3ZS and Doc N3NAG attended on their electric vehicles and we almost convinced them to get in a race down the center of the mall. Of course they declined.

The following is from KD3VR - Joe Nunemaker's President's Letter mailed in November to all members; "Well another year has past, it's time for the Holidays, dues renewal, autopatch code changes, Board of Directors elections and the coming of another winter".

This year has seen a substantial improvement to both repeater systems, due to the donations of 1/2" hardline, new RF connectors and the use of a new IFR spectrum analyzer which allowed precise alignment of both duplexers at the two sites. Roy - N3NGA and Chris - N3IZN with the help of one of their work buddies, inspected the antenna at the 88 repeater site. The phasing harness has deteriorated and is showing signs of normal weather abuse. Corrosion at the joints and mechanical connections have been noticed. This seems to be normal for an antenna purchased and in-

stalled back in the 1980's.

The antenna at the 146.61 site was not inspected but we feel conditions are the same since that was installed in 1982. It is recommended that new antennas be purchased to replace the old ones sometime this coming Spring. estimates for replacement is around \$1,000.00.

Membership dues are now payable to the end of December. The annual luncheon and membership meeting is scheduled for December 10th at Shoney's located on Rt. 1 at the laurel Lakes Shopping area. Monitor the repeaters for any changes.

Happy New Year from Ken Easton, N3HLY

EDITOR'S NOTE:

Please remember to keep your Club Header standard. It should contain only the following information:

Club Name - DO NOT use all uppercase letters. Use Upper & Lowercase Please!

Meetings: Place and time of your club meetings.

Repeaters: List your repeaters. (Output Only - unless you have an odd split. All of us know what offset to use!)

On-The-Air: You should only list your general information and traffic net here. DO NOT list your specialized nets. They can be listed on the air at your regular information net.

Information: List a contact person for your club.

Mailing: List your clubs mailing address.

No other information should appear in your header. If you need to list your club lunches and officers or whatever please do it in your column.

**Laurel Amateur Radio Club
A Volunteer Examiner Coordinator**

- * Meetings: 4th Wednesday of each month (except November & December) 7:30pm at 384 Main Street, Laurel Md; Social: 2nd Wednesday of each month, except December (Call for directions)
- * Nets: 1st & 3rd & 5th Wednesdays, 8:30pm, on 147.225+, no tone.
- * Mail: P.O. Box 3039, Laurel, MD 20709-0039
- * Exams: 3rd Saturday of each month, 10:00am, at Maryland Radio Center, Laurel, MD
- * Information: Jim/WI3N (301)725-6829 or Pud/W3DQI (301)498-6293

HAPPY HOLIDAYS TO ALL !!

Bring on the new year...we're ready! The Laurel ARC had a very successful 1994 and is looking forward to 1995. In our recent club newsletter, "The Feedback", our editor, John N3GXA, reviewed the many activities the club members had supported, e.g. the Washington Birthday Marathon, the Montpelier Festival, Main Street Festival, the "Morse" historical marker installation, Field Day, Pallotti Cross-country Invitational, the monthly VE sessions, plus other events that the club has enjoyed in 1994. We expect to do it all again...and more...in 1995!

The VE team tested 47 individuals on 19 Nov; 94 elements were administered, and 30 individuals upgraded.

Wrapping up this year's activities were the ARRL November Sweepstakes and the annual holiday banquet. For the Sweepstakes, the club set up operations at the new West Laurel Recreation Facility. A total of 622 contacts were made, covering 71 sections. Not a "cleansweep", but still a lot of FUN! Seven club members operated the Sweepstakes, led by Mike/WB3HUP, Michele/WK3X and HD/N3LFL.

The annual Holiday Banquet at Oliver's in Laurel was greatly anticipated...and

enjoyed...with "Thanks" to W3DQI and WI3N for the excellent planning and special entertainment.

P.S....A General Licensing class will be conducted in February. Call Pud/W3DQI for information on the class.

73 de Roger/N3MIJ

Vienna Wireless Society

- * Meetings: 2nd and 4th Fridays of each month, 7:30 PM, Vienna Community Center, 120 Cherry Street S.E., Vienna, VA
- * Repeaters: K4HTA/R 146.085 in/146.685 out, 443.375 in/448.375 out
- * Nets: Vienna Emergency Net every Wednesday at 7:30 PM, 146.085/146.685. Pow Wow met every night, except meeting nights, at 9:00 PM on 28.444 Mhz. Slow Code every night, except meeting nights, at 8:30 PM on 28.390 Mhz.
- * Information: Jorge Thevenet-KD4DGQ (703) 729-4711
- * Training Classes: Paul Wilkins-AB4CY (703) 560-2779

During the Membership meeting held on November 18, 1994 the following persons were elected to the Board of Directors: Paul Wilkins-AB4CY, Barry Bennecoff-KD4BK and Donna Yarbrugh-KE4FYM. Congratulations to the new Board Members and thanks to all who stood for election.

At the Board meeting held shortly thereafter, Jorge Thevenet-KD4DGQ was elected President of VWS for 1995, with Jorge's term to begin December 1, 1994. My heartiest Congratulations and Best Wishes to Jorge. I am certain that he will do an outstanding job.

The installation of the new officers and VWS Christmas meeting/ party took place on December 9, 1994. Good cheer was in abundance and the Holiday treats provided by Steve Karty-N4uHO, were consumed with relish and gratitude.

Continued on next page

The Mid-Atlantic DX and Repeater Association

- * Meetings: By published schedule, generally the second Thursday of each month. Meeting locations rotate among places in Maryland, Pennsylvania, Virginia and West Virginia.
- * On The Air: 1930 Tuesdays on 147.66/06
- * Repeaters: Frederick: 147.06, 224.28, 448.125 Martinsburg: 147.345, 224.20
- * Address: 230 North Potomac Street, Suite 2A, Hagerstown MD 21740
- * Information: Call our Voice BBS: 301-416-8447, select Box 101 and leave your message requesting club info.

To quote Mike, WB8VBW: "Coming soon to a modem near you..." is the MADRA landline BBS. In fact, it should be operating nicely by the time you read this, so give it a try at 301-416-8435. To use proper Latin, three fora are planned: Ham Radio, General Electronics & Technology and Computer Utilities. We have plans to add ATV and other topics as we gather info; data rates to 14.4 Kbaud are available.

Repeater work parties made up a major part November club activities. ERP on the 147.345 repeater was limited at start-up. An amplifier and improved antenna were being readied at the end of November. Just as we finished the job we learned that our tower host company had sold the Martinsburg TV station. This gave us a new group of people to educate on the wonders of Ham

Radio and the moral rewards of giving us free tower space.

MADRA is looking for used pieces of 1/2" and 7/8" HELIAX for use with the repeaters. If you have some to donate, great! If you have some to sell, give us your price and we'll dicker. Call the voice BBS, Box 101, or send packet traffic to WB8VBW @ N3HYM.

December activities included our first annual Holiday Dinner on December 10, VE Exams at Smithsburg on December 17 and our first SantaNet on the 18th. Someone was recommending N2CSQ as a key SantaNet participant, but this was abandoned when it became apparent that a white beard cannot be perceived on radio. Younger MADRA members will do well to remember: they will be old someday, too.

Come join us for dinner, conversation and (we hope) membership, too, if you're so inclined. The early schedule for 1995 follows, so pencil us in on your calendars for a few pleasant evenings or some of the other activities listed.

Date	Place	Program	Location
1/12/95	Richardson's Restaurant	QRP	Hagerstown MD
2/ 9/95	Watson's Restaurant	DX	Frederick MD
3/ 9/95	Hoss's Restaurant	?	Martinsburg WV
4/13/95	Frederick area	?	(suggestions?)
5/18/95	Antrim House,	?	Greencastle PA
6/ 8/95	Mountain Gate Restaurant	FD	Thurmont MD
6/??/95	Summer Family Picnic	Fun	(suggestions?)

73 DE N2CSQ/3

VWS - Continued from page 40

The VWS Winterfest Co-Chairpersons, Tim Dreas-KE4GDX and Christine Delong-KE4HWE, report that preparations are underway for the festivities on February 26th at the Vienna Community Center. Look forward to seeing you all there. So mark your calendars.

In closing, thanks to all who for their support and assistance during the past year. It has been a pleasure and privilege to serve.

Best Wishes to ALL for a Happy Holiday Season and Healthy and Prosperous New Year.

73, Brian-N1KCE - President (Ex)

MADRAS

The Maryland Apple Dumpling
Radio Amateur Society, Inc.

- * Meetings: 2nd and 4th Thursdays - 7:00 PM.
NBC Building - WKYS Conference Room
4001 Nebraska Avenue Washington, DC
20016
- * Nets: 1st and 3rd Thursdays at 8:30 PM on
145.45 MHz
- * Repeaters: 444.100/449.100 MHz 145.45/
144.85 MHz
- * BBS: 145.030 MHz. Call Sign: N3GKZ
Alias: MADBBS-(This is a closed BBS Sta-
tion)
- * Mailing: P.O. Box 2468 - Wheaton, Mary-
land 20902
- * Information: Hani Raad - AA3EI (202) 223-
3925, Larry Ziecheck - N3GKZ. (301) 984-
6112 Jean Blacik - N3PLC (301) 984-6112

HAPPY NEW YEAR!!!!1995 will be an
exciting year for MADRAS members. We
have our special event Honoring Presidents
Weekend February 18th & 19th, plus we
have some excellent speakers lined up for the
coming year.

January 12, 1995

"AMTOR/PACTOR and HF Digital
Communication"

Louis Soloman - N3EXW

January 26, 1995

"Automatic Packet Reporting System (APRS)"

Bob Bruninga - WA4APR
ARRL Technical Coordinator

February 9, 1995

"ARRL & MDC section Activities"
Bill Howard - WB3V
ARRL MDC Section Manager

February 23, 1995

"Affiliated Clubs and Club Activities
in the MDC Section"
Tony Young - WA3YLO
ARRL Affiliated Clubs Coordinator

March 9, 1995

"Introduction of ARES/RACES and Activities
in the MDC Section"
Al Nolimeyer - W3YVQ
MDC RACES Coordinator
Mike Carr - WAIQAA
MDC Section Emergency Coordinator

April 13, 1995

"Atlantic Division Update"
Hugh Turnbull - W3ABC
Atlantic Division Director

Special thanks to Paulo Teixeira - N3MGA
for the informative talk he gave to the Club on
"Packet Radio" at our November 10th meeting.
More and more of our members are setting up
stations and enjoying the contacts they are
making thru packet.

Hope to see as many of you as possible
during the next several months at our sched-
uled meetings held at the NBC building in
Washington, DC.

73's, Jean-N3PLC

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The Foundation For Amateur Radio, Inc.



Washington, DC

National Capitol DX Association

- * Meetings: Feb, Apr, Jun, Oct and Dec at a member's home. Contact the Secretary (Rick Murphy, WALSPT) for details.
- * On-The-Air: Every Sunday at 8:30 PM on the 147,000 repeater. All are welcome!
- * Information: Rick Murphy-WA1SPT (703) 280-2637. Leo Boberschmidt
- * KA3TGY (301) 946-3738. Brian Bayus-NIKCE (703) 264-1180 or NLKCE on the Local DX Cluster or NIKCE@KF4TE.VA.USA.NA.

Our Christmas meeting at the home of Paul Van Der Eijk-KK4HD on December 17th was a great success. We all enjoyed the festive holiday hospitality.

The next meeting of NCDXA is scheduled for February 25, 1995 and will be held at the home of Dave Hammond-WC4B, who has graciously volunteered to host our "in the depths of Winter" meeting in Oakton, Virginia. If you would like to attend, whether you are a member or not, please feel free to give either me, Rick or Leo a call for directions and additional information. All with an interest in DX are welcome.

The NCDXA Sunday night meeting on the air is convened every Sunday night at 8:30 PM local time, on the 147.000 Mhz repeater. Hosted by Leo Boberschmidt-KA3TGY, the "Voice of NCDXAIL, this is an opportunity to garner the latest DX information and a chance to learn more about NCDXA. Check in and give it a try. All are welcome.

We are pleased to note the NCDXA Member, Ken Miller-K6IR, is the recipient of the coveted Distinguished Service Award of the Quarter Century Wireless Association. Bestowed on him at the 1994 QCWA National Convention in El Paso, Texas, Ken was recognized for his many engineering accomplishments during a long and distinguished career and for his leadership of the Radio Club of America Scholarship Program as a Director and Chairman of its Grants in Aid Committee. Our hearty "Congratulations" to Ken. Well deserved.

Keep warm and Good DX

Brian Bayus, N1KCE, President

ELECTRONIC ONE-STOP

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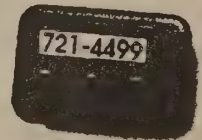
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Northern Virginia FM Association

- * Meetings: Fall, Winter, Spring
- * Weekly Nets: NVFMA, Wed, 8PM, 146.79 ARES, Sun 9PM, 146.91, - Equipment Clinic 1st Wed of Month, 7:30PM, 146.79 Repeaters: 52.37/53.37, 146.19/146.79, 146.31/146.91, 222.50/224.10 XLink, 222.74/224.34, 449.75 444.75 1272.1/1292.1
- * Membership Info: Ann Herlich, KD4GSU (703) 481-1458
- * Mailing Address: NVFMA, P.O. Box 486, McLean, VA 22101

** REMINDER **

Our next General Membership meeting is scheduled for 19 January 1995 at the Fairhill Elementary School in Fairfax, VA (3001 Chichester Lane) at 7 P.M. Talk-in - 146.79 & 146.91 MHz

on the agenda is election of two (2) new Board of Directors. If you would like to take an active part in your organization, and would like to become a Board member, please contact Rick Van Dorne, KB4NRU, or any other Board member. You must be a current paid-up member and present at the meeting to vote.

** NEW SERVICE **

During inclement weather/road conditions, WTOP (1500 KHz AM) will include the NVFMA on their list of closings for safety reasons.

TECH TIP: When designing RF circuits using microstrip technique, keep the distance between the microstrip transmission lines and the nearest metallic wall or cover plate at least 5 times the width of the microstrip line. This separation reduces the effect on the calculated impedance of the microstrip line and associated detuning of stubs and resonant circuits.

**HAVE A SAFE AND HAPPY

HOLIDAY SEASON**

73', Ann, KD4GSU

Southern Maryland Amateur Radio Club

- * Meetings: 2nd Friday of each month at 1930 at the PG County Police Clinton Station, 6707 Groverton Drive, Clinton, Maryland.
- * Nets: Tuesday at 2000 on 147.15+ Repeater; Wednesday at 2000 on 1.865 (+ QRM); Thursday at 2000 on 28.447 USB.
- * PG ARES: Thursday at 2100 on 147.15+ Repeater. All are welcome to join.
- * Repeater: WA3YUV/R147.15+, Cheltenham, Md. Autopatch to 911.
- * Mailing: P.O. Box 273, Cheltenham, Md, 20623
- * Information: Vic & Linda Curtis, WA3YUV & KA3VNI (301) 888-1388

The officers and members of SMARC hope that you had a very enjoyable and safe holiday. After an exciting 1994 we are looking forward to even more adventures this coming year.

In case you happen to have missed all the excitement of the last election night, the following are the officers of SMARC for the coming year:

President - Allen Stevenson, KA3ZPA
Vice President - Edward Zumstein, WB6NCO
Secretary - Jim Rose, N3FEW
Treasurer - Richard Eshelman, WK3I
Activities - Larry Laffoon, N3CAM
Public Service - JoAnne Simpson, KA3WPD
Board of Directors -

Ray Simpson, WI3A
Tommy Lloyd, N3HBS
Ken La Capria, KA3POX
Repeater Trustee - Vic Curtis, WA3YUV

Our congratulations go to all the new officers and our best wishes they don't find out what they got themselves into.

Continued on page 46

T-MARC
The Middle Atlantic FM And Repeater
Council, Inc.

- * Meetings: Frequency Coordinating Committee normally meets the last Monday of each month, 19:30, in the OEP conference room of the Prince George's County Emergency Operations Center off Central Avenue, Rt. 214. Talk-in on 146.76 or 147.54 simplex when nearby.
- * Address: P.O. Box 1022, Savage, Md. 20763-1022 for all correspondence.

Here are details for the Annual Meeting which is scheduled for February 5th (with a rain date of Feb. 12th). The meeting will be held in the Lee Center, 1108 Jefferson Street, in Old Town Alexandria, Va., starting at 2 PM. Talk-in on the NVFMA 53.37, 146.79, 224.34, 444.75, and 1292.1 repeaters. If the weather forecast looks threatening on the morning of the 5th, you can call 1-800-224-5137 to see if the meeting will be postponed until the 12th.

In addition to election of officers for the coming year, several other agenda items are scheduled. Some discussion of the frequency coordination policies and procedures include ways to implement a "waiting list" for new 2 Meter repeater requests; a possible mandate for coded access on all new 2 Meter repeaters; how to keep track of repeaters that go off the air; and what to do about repeaters that are using less power than coordinated. Also to be discussed is a possible increase in membership dues (due to a significant increase in operating expenses). By the way, your dues must be paid up prior to the meeting in order to be able to vote on all matters brought before the membership. We need your participation! Please send your dues to the address shown above as soon as possible. The coordinating committee is in need of some

help in the way of secretarial, office and record-keeping chores, database management and computer operation. It's not glamorous,

but it is rewarding, and you will be helping a bunch of other hams in the process. So if you think you can help, please step right up!

The next topic to discuss in our series of questions about frequency coordination is "Who or what is a frequency coordinator?" An amateur frequency coordinator is, first, a volunteer. He may be a single individual or an organization of volunteers, who are recognized by the amateur community they serve as their "coordinator". He/they maintain a detailed frequency usage database; and have some expertise in the technical aspects of the equipment used, VHF and UHF propagation and pertinent F.C.C. Rules. Although some coordinators may be more interested in either the technical or the political aspects of coordination, they all do it as a way of putting something back into Amateur Radio. These days, no coordinator worth his salt is in it for the ego - it's too much work! But all coordinators do get some form of self-satisfaction out of doing the job, or they wouldn't bother.

Recent coordination actions include re-coordination of KA3BTD's 53.170 repeater to an improved site in Greenbelt, Md.; N3OLY's 147.33 repeater was re-coordinated to an improved site at Dewey Beach, Del.; a new 145.130 repeater at Lusby, in southern Maryland, to N6QAB; a new 146.775 repeater near Lexington Park, Md., to N3HRT; a back-up 145.190 repeater was coordinated to the Department of State ARC at the Voice of America site in downtown DC; and a new 449.325 repeater to W8HNT in Arlington, Va. At the request of their sponsors, coordinations for the 444.350 repeater at Suitland, Md., and the 1292.00 repeater at Vienna, Va., were cancelled.

Continued on next page

As you can see, interest in putting on new 2 Meter repeaters continues at an un-diminished pace, which brings up the reality that there is no such thing as a "clear channel" on the 2 Meter band. In order to minimize "nuisance" signals from the users of distant co-channel repeaters on your own local repeater, more and more repeater sponsors are adding coded access on their repeater inputs. The most common form of access coding is low frequency CTCSS audio tones, also known as "PL", etc. Now days most radios come equipped with CTCSS encoders built in, so it's not much of a problem for most repeater users to access these repeaters. Although CTCSS is not a panacea for all types of interference problems, it can help reduce many problems. If you add CTCSS access on your repeater input, let T-MARC know so we can add that to your listing in the Repeater Directory.

Here's the next "rule of thumb". The transmit offset direction for ALL coordinated 222 MHz repeaters is always minus (-), and the offset is always 1.6 MHz. This is standardized thruout the entire U.S.

We hope you all had a wonderful holiday season, and that the coming year will be healthy, happy and prosperous for everyone. And don't forget the Annual Meeting - we hope all repeaters will be represented.

73, Gary, W3DTN, T-MARC PIO

HAMFEST FLYERS

When submitting your Club's Hamfest Flyer for publication in Auto-Call Magazine please send it in an 8.5" x 11" envelope.

DO NOT FOLD IT!!!!

Member Club's are permitted one hamfest flyer per year at no charge. If you want it published for more than one month, you will be billed accordingly.

CLUB COLUMN'S

When planning your club column please limit the size of the article to one page.

DO NOT place your article into column's. Please type it flush left, including the header. Single space your text and double return for paragraph's. Some clubs are still sending information that is in column's which makes formatting the text difficult.

When sending your article on disk or via the BBS please use the name of your club in the file name. (i.e. AMSTA.TXT or CARA.DOC) It is difficult to determine which club is: AUTOCALL.TXT!!!!

□

SMARC - Continued from page 44

You may have noticed that there has been a change in the repeater callsign. With this change SMARC will be adding a number of new features to the repeater. The first enhancement is the addition of a full autopatch capability. Naturally the patch to 911 will remain but additional calling capabilities will be made available to members. Pass on any suggestions for autodial numbers to either Vic or Allen. More details will follow later.

SMARC would like to express our deepest appreciation to Frosty, W3PT, for his efforts as our repeater trustee for more than a decade. During this time Frosty has overseen the many changes to the system which have made the machine as good as it is today. Many thanks Frosty.

There are more exciting things planned for this year, but you will have to wait for subsequent reports to hear about them! Be careful as the nasty weather moves in and we will see you on the nets and right here next month.

73, Greg - WA3FSC
January 1995

**Central Maryland Amateur Radio Club
(CMARC)**

- * Club meeting: 4th Friday of the month at 7:30pm, at the New Carrollton Municipal Center, 6016 Princess Garden Parkway, New Carrollton, MD (no meeting in December).
- * Repeater: N3EZD/R 145.230 MHz (-0.600 MHz).
- * Net: Every Tuesday, 9:30pm, 145.23 MHz repeater.
- * Mailing Address: Central Maryland Amateur Radio Club, 6016 Princess Garden Parkway, New Carrollton, MD 20784.
- * Information: Oscar Ramsey, Pres. - NV3G, (301) 262-3392.

This past fall, the CMARC participated in the Greenbelt Labor Day Festivities by providing communications for the Greenbelt Labor Day Parade, and operating a special events station at the Greenbelt Carnival. The club conducted Novice and Technician training classes on Friday evenings at the Greenbelt City Police Station and held testing sessions (in cooperation with the Laurel ARC VEC) at class sessions in November and December. For information about upcoming training classes contact Chuck Hagelgans/N3ODK at (301) 474-5605 (H).

At CMARC's annual election meeting in October, the following officers were elected:

President:	Oscar Ramsey - NV3G
Vice President:	Jim Tilton - KD3JA
Secretary:	Chuck Hagelgans - N3ODK
Treasurer:	Leah Choper - N3RLN

CMARC's annual Christmas Party was held at the Horn & Horn Smorgasbord at 8827 Annapolis Road in Lanham, MD on Thursday evening, December 22nd. A great time was had by CMARC members and their families. The party featured a popular "Chinese auction" run by auctioneer extraordinaire, Tony Fominaya/N3JWT.

CMARC is spearheading an effort to form a 2 meter "Kid's Net" focused at Elementary and Middle School children (along the lines of the November QST article). Some participation from Senior High youth is anticipated (possibly as net controls). CMARC welcomes participation from other clubs, and has contacted the Maryland Section Youth Coordinators for their input and participation. In light of the fact that there are very few licensed Elementary and Middle School children in the area (a survey of Prince George's County licensees turned up only one as of May 1994!), we emphasize that this net would be open to unlicensed children who have a parent or friend who could act as control operator. Please contact Jim Tilton/KD3JA at (301) 286-9510 (W) or (301) 552-0012 (H) if you or your child would like to help or participate.

**BEFORE YOU GET BEHIND
THE WHEEL THIS HOLIDAY SEASON**

THINK!!!!

**HAVE A SAFE
AND HAPPY HOLIDAY!**



The Shenandoah Valley Amateur Radio Club W4RKC

- * Meetings: First & Third Friday of each Month 7:30 PM
- * Place: The Collins building 2921 Grace St. Winchester
- * Repeater: 146.22/82 W4RKC
- * Net: SVEN 7:15 PM Daily 146.22/82
- * Information: George Ritter W4UGX 703-662-0157
- * Club Pres. : Irvin Barb KD4BHV
- * Address: P.O. Box 139, Winchester, Va. 22604

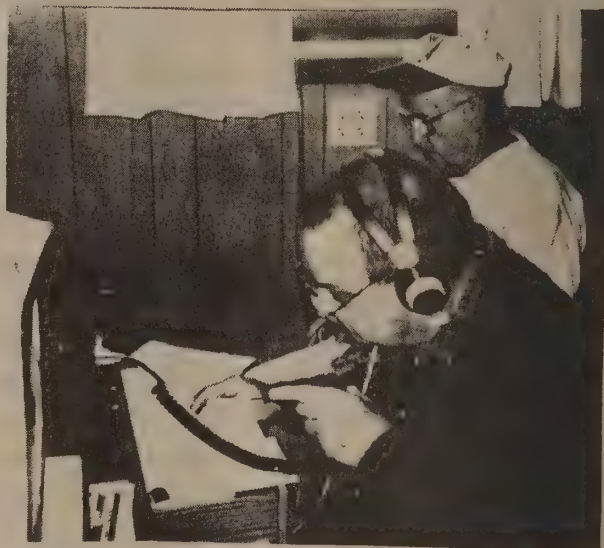


Irvin Barb, KD4BHV presents Mary Ann with an ARRL Plaque. Mary Ann Foble, N8ODZ was recently honored by the SVARC for her role in the very successful "Santa Nets".

In a little less than seven months, SVARC Club members have participated in twenty five different Public Service events. That is quite an effort and our thanks go out to all those who gave unselfishly of their time. Going into the Winter we can relax a bit. We hope to have completed yet this year, the second "Skywarn" training class for the Winchester area, and just a little later a "license upgrade class".

The "Simulated Emergency Test", (SET), conducted in Winchester on October 8th, 1994 went very well. Club members, John Brooks KC4YMR, Royce Crocker W3CSG, Stan Monish KD4HRJ, Fred Wetzel W4KRT and Rick Choy N3HXT all operated portable packet

units from key locations. Godfrey Miller N8GM maintained the HF radio link from the SVARC club station. Others, Jane Barb KD4IET, Laura Stevens KE4QJT, Janie Wetzel KA4HOP, Danielle KC4SUV, Sam James KD4LSX, Bill Dunn K4TIX, Mark Sunderlin KD4HRI and Jim Hodson KE4JJR all participated in the operation. Following the operation a short critique was held with ARES leadership.



Bill K4TIX and Godfrey N8GM man the HF for the "SET" at the SVARC Radio room.

The Civil War "Re-enactment" at Cedar Creek was a real challenge for communications. We acted as a communications central netting together operations being conducted on seven different frequencies, with ten different groups including the Confederate Headquarters and the Union Headquarters. The Total number of players was over six thousand and the spectators exceeded thirty thousand. We dealt with the whole range of things, lost persons, powder burns, sprains and breaks, lost and found, breaking and entering, you name it.

Continued on next page



Jane KD4IET and Bill K4TIX take one of few breaks from the mobile communications center at the Battle of Cedar Creek

Fall "VE Exams" signal the finish of Guy Black's W4PSJ, Fall licensing class with a full house at the SVARC Club house. Twenty Eight individuals took exams, all but seven passed their test. Most of the seven tested the following week and passed. Leo and Irene Patterson from the Mountain ARC-VEC were assisted by Butch Bloxom N4HCQ, Jerry Fish K8OQL, Godfrey Miller N8GM, Fred Wetzel W4KRT, Charles Curtis K4LWG, Gaylord Rembold W3DFW and Charles Bennett W8AB. The students ranged from a ten year old girl to a former Mayor of Winchester. There are plans for a winter up-grade class to be announced sometime in January. The effort produced 26 new Hams.



Fred Wetzel W4KRT and Gay Rembold W3DFW grade papers while prospective Hams await the results. 21 of 28 passed the VE-Exams.

Continued on next page

I am very happy to report that the old Club House now has an excellent new overhead flourscent lighting system. That effort by Charlie Curtis, K4LWG and Mike Collins, W4ACC has brightened up our meetings and will surely be a big plus to future class room activity. As if that were not enough, we also have acquired a "General Class" licensing course from the ARRL complete with videos, computer disk and instructor guides. Last but not least we have just received 26 sets of magnetic car sign for "Emergency Services". Also included are 20 smaller plastic signs for use inside the automobile, in the wind sheild or on the back of the sun visor.

We are all so happy that Charlie, K4LWG is back home and doing fine after his 19 day hospital visit. Hang in there Charlie.

73....De Irv KD4BHV
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BUY/SELL TRADE: Misc. issues U.S. Amateur Callbooks. 1914 thru 1980 SASE for list. Bob Arrowsmith, W4JNN, PO box 166, Annandale, VA 22003 (703)560-7161

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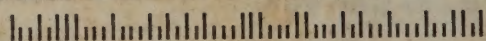
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